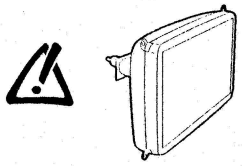
THOMSON

TV

PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON

Chassis ITC008



MODULES

MAIN	**IC008Z5A301S020**	**21381000**
EWM	**EWMI00802**	**21265730**

FZP60,61	TE5-T NO 396 3.15A 125V	⚠	21210090
FZP66,93	TE5-T NO 396 500MA 125V	⚠	21210040
GK101	TSOP1333		25358570
IB001	TDA6107JF/N3		10804130
IF001	TDA8177		15053440
IL101	LM324AN		20679790
IP001	TCET1103G	⚠	10547560
IP030	STV8130A+		10748720
IP031	MC7805/ACT		46007400
IP050	TL431		15069010
IR001	CAT24WC08P		21133090
IS100	MSP3415G-PO-B8		10714120
IS200	TDA7263		10281150
IV001	TDA9554PS/N3/2 ROM WITH ET1 SW S3.85		2140179A

TI030,045, **TR**003	DTC144EK SMD		16007030
TI050	BC856B SMD		16006310
TI060,070, **TL**031,062	BC846B SMD		16006260
TL033	BC639		16001240
TL035	S2055N		20578760
TL060	BCR191 SMD		16006910
TL061	RN1409 SMD		20688820
TL101	IRF630FP		25453960
TP020	STP6NB90FP		25460310
TP022,052	BC548B		16000930
TP023	KTC8550D		21039270
TP025	BC558B		16001110
TP171,175,176, 177,193,**TS**201, 204	BC848B SMD		16006290
TP192	BC858B SMD		16006330
TR001	BCR185 SMD		16006900
TR002	BCR141 SMD		16006890
TR005	BC337-40		45001466
TS202,203	RN1402 (TE85L/R) SMD		10966200
TZ01	S1423	⚠	50888780

DB004	1N4004	44009009
DB030,031,050, 051,070,071, **DP**037,097	BAV21	44044407
DF001	BZW04-48	10351880
DF002,003; **DH**004,**DL**004, 005,030,062, 103,117,118, 142,**DP**071, **DV**071,**DZ**05	1N4148	44009209
DF010,**DL**011, 013,035,**DP**036	1N4001	16008160
DF101,102, **DL**072,**DS**204, **DV**070,**DZ**01	LL4148 SMD	16012450
DH001,**DP**028	BZX55B33	80442730
DI030,040	BA782S SMD	20542050
DJ120,**DR**001	BZX55B5V6/ZPD5V6 2%	70438200
DL010,025,040, 060,101,**DP**025, 026,093	RGP10G	10459090
DL012	EGP10D	20953640
DL021	BY228	16008370
DL104	BZX55B5V1/ZPD5V1 2%	44035702
DL119	BZX55B47	11073450
DL121,122, **DS**201	RGP15G	10272800
DL138	BAT42	16007410
DL140,141	BZX55B9V1 2%	70438220
DL143,**DP**095	BZX55C6V2 500MW	20475410
DP002,003,004, 005	BYW27-1000	10455390
DP023,030	BZX55C8V2	11073660
DP027,040	BZX55C27	60447870
DP033	BZX55B15/ZPD15 2%	80444020
DP057	BZX55C9V1	90578100
DP061	SB560	20956430
DP063	BYW98-200 3.0A	15103710
DP080	STTH5L06	21285880

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Per precisazioni, contattare l'assistenza tecnica THOMSON sales europe
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VERSION 1 09 / 2004
VERSION 2 10 / 2005

35856860

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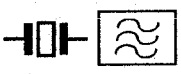
DV002,003,004	MMSZ10T1 SMD	15580530
DZ03	ZPD10 2%	80444160
GE101	LTL307/EE LED	16010330



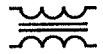
FI010	OFWK6257K FOS	10545030
FI020	K9659D 33M9HZ FOS	21132460
FI030	40M4HZ	10664720
FI050	5M74HZ	20338170
QS101	18M432HZ	20612440
QV001	12M0HZ	25418130

LH010,**LI**032, **LL**040,**LS**101, 102,103,**LV**001, 004	10UH	15039640
LI031	6,8UH 5%	13052120
LL122		⚠ 10636390

PL140,143	4K7 OHM	10082930
PL141	470R0 OHM	10260250

RB001,004, **RL**026	1K5 OHM 5% 0,50W	10121880
RB013	10R0 OHM 10% 0,50W	15000160
RB031,051,071	560R0 OHM 10% 0,50W	10257590
RF004,006	1K5 OHM 1% 0,25W	80437630
RF007	1R0 OHM 1% 0,70W	10254220
RF008	1R5 OHM 5% 0,25W	⚠ 13063950
RL002	82K0 OHM 1% 0,70W	10148310
RL010	0R1 OHM 10% 0,40W	⚠ 15022510
RL012,101	0R22 OHM 5% 0,50W	⚠ 10305450
RL034	22R0 OHM 5% 2W	13001570
RL040	47R0 OHM 5% 0,35W	⚠ 20923340
RP001	4R7 OHM 5% 10W	11063840
RP002	18R0 OHM 220V PTC	⚠ 41398800
RP009	470K0 OHM 5% 1W	⚠ 21185660
RP015	10M0 OHM 5% 1W	⚠ 21090250
RP020	0R68 OHM 5% 2,5W	20822410
RP056	130K0 OHM 1% 0,25W	15514320
RS103	3R9 OHM 5% 0,25W	⚠ 15009970
RS216,219	4R7 OHM 5% 0,35W	⚠ 10226310
RV001	15K0 OHM 5% 0,10W	10135050
RZ05	29K4 OHM 1% 0,25W	60442370
RZ07	27K4 OHM 1% 0,25W	80437740

CB001	10N0F 3K0V	14036450
CB003,006, **CL**041	10UF 20% 250V	13039480
CB004	47N0F 5% 250V	40433080
CF004	1N0F 10% 50V	10138550
CH008,**CV**002	100U0F 20% 25V	43269060
CI055,**CV**003	100P0F 10% 16V	20947390
CL010,012,026, 040	330P0F 10% 1K0V	14030320
CL021	14N6F 3,5% 1K6V	⚠ 10678040
CL024	440N0F 5% 250V	⚠ 43352100
CL102,**CP**026, 063,068	330P0F 20% 1K0V	14035270
CL122	30N0F 5% 400V	⚠ 10668870
CL123	2U7F 10% 100V	⚠ 10161170
CL144	100P0F 20% 1K0V	14035280
CP001,002	100N0F 20% 275V	⚠ 40404090
CP004,005,006	1N5F 10% 1K0V	20338740
CP008	150U0F 20% 400V	13050060
CP009	2N2F 20% 1K6V	10571760
CP015	2N2F 20% 400V	⚠ 10660820
CP033	680P0F 10% 1K0V	20505600
CP080	220U0F 20% 200V	10658570
CP088	2N2F 2K0V	14036020
CP097	4U7F 20% 100.0V 85C	13070930
CV001,004	220N0F 10% 10V	20947540
CV005	2N7F 10% 50V	10138630
CV006,008	1U0F 10% 6.3V	25491000
CV007	4.7NF 10% 50V	10138710
CZ01	100N0F 10% 100V	20467110



CC702	SLV4301-01 77M0H	⚠ 10769050
LL005	DSTMH30	⚠ 10691490
LL026	23U0H 15%	⚠ 10678590
LL032	DRIVER	10717160
LP002	25M0H	⚠ 21264970
LP003	TFSMTITC008EU126	⚠ 21295200

OTHER PARTS
AUTRES PIECES
SONSTIGE TEILE
ALTRE PARTI
OTRAS PIEZAS

BB005	CATHODE RAY TUBE SOCKET SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	⚠ 1506533A
BJ110	CINCH SOCKET PRISE CINCH CINCH-BUCHSE PRESA CINCH TOMA CINCH	10037440
BQ112	HEADPHONE SOCKET PRISE CASQUE KOPFHOERERBUCHSE PRESA JACK TOMA JACK	20345310
BV001	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONECTOR	10362830
CB001	CABLE FLAT 8 PINS 400MM CABLE NAPPE 8 PINS 400MM KABEL FLACH 8 PINS 400MM CAVO FALDA 8 PINS 400MM CABLE 8 PINS 400MM	⚠ 2120041A
CH200	ON/OFF SWITCH MSB2000 CONTACTEUR MARCHE/ARRET MSB2000 EIN-AUS SCHALTER MSB2000 CONTATTORE ACCESO/ SPENTO MSB2000 CONTACTOR MARCHA/PARADA MSB2000	⚠ 10276500
FP001	1A6T 250V TIME-LAG FUSE 1A6T 250V FUSIBLE TEMPORISE 1A6T 250V SICHERUNG 1A6T 250V FUSIBILE TEMPORIZZATO 1A6T 250V FUSIBLE TEMPORIZADO	⚠ 48064700
NH001	CTF5511 UHF/VHF TUNER CTF5511 TETE UHF/VHF CTF5511 UHF/VHF TUNER CTF5511 TUNER UHF/VHF CTF5511 SINTONIZADOR	21080130
SK101,102,103, 104	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR	30011100
SP001	RELAY 12V RELAIS 12V RELAIS 12V RELE 12V RELE 12V	⚠ 20620640

EQUIPMENT/PRESENTATION
EQUIPEMENT/PRESENTATION
AUSSTATTUNG/GEHAEUSE
PARTI VARIE
EQUIPO/PRESENTACION

SPACER WASHER TUBE 25789380
RONDELLE D'ENTRETOISE TUBE
SCHEIBE QUERSTREBE TUBE
WASTER DEL DISTANZIATORE DEL TUBO
WASTER DEL ESPACIADOR DEL TUBO

FRONT PANEL SI01TH 25774610
FRONTPLATTE SI01TH
FACADE SI01TH
PANNELLO FRONTALE SI01TH
PANEL FRONTAL SI01TH

PFC SUPPORT 25695150
SUPPORT PFC
PFC HALTER
SUPPORTO PFC
SOPORTE PFC

REAR PANEL RGY49TH ⚠ 25774620
DOS RGY49TH
RUECKWAND RGY49TH
PANNELLO POSTERIORE RGY49TH
TAPA POSTERIOR RGY49TH

LED WINDOW 25319180
GLACE LED
LED FENSTER
VETRO LED
CRISTAL LED

LOGO THOMSON 25367520
LOGO THOMSON
SCHRIFTZUG THOMSON
MARCHIO THOMSON
LOGOTIPO THOMSON

CHASSIS SUPPORT 25650290
SUPPORT CHASSIS
CHASSIS HALTER
SUPPORTO CHASSIS
SOPORTE CHASSIS

E/W SUPPORT 25649700
SUPPORT E/W
E/W HALTER
SUPPORTO E/W
SOPORTE E/W

SUPPORT PLUGS RGY49TH 25693330
SUPPORT PRISES RGY49TH
HALTER BUCHSE RGY49TH
SUPPORTO PRESA RGY49TH
SOPORTO TOMA RGY49TH

8R OHM 15W LOUDSPEAKER 60X125 10467060
8R OHM 15W HAUT PARLEUR 60X125
8R OHM 15W LAUTSPRECHER 60X125
8R OHM 15W ALTOPARLANTE 60X125
8R OHM 15W ALTAVOZ 60X125

ON/OFF SWITCH SUPPORT 25315270
SUPPORT CONTACTEUR MARCHE/ARRET
HALTER EIN-AUS SCHALTER
SUPPORTO CONTATTORE ACCESO/SPENTO
SOPORTO CONTACTOR MARCHA/PARADA

ON/OFF BUTTON SI01TH 25774630
TOUCHE MARCHE/ARRET SI01TH
EIN-AUS TASTE SI01TH
TASTO ACCESO/SPENTO SI01TH
TECLA MARCHA/PARADA SI01TH

POWER SUPPLY LEAD ⚠ 10260880
CORDON D'ALIMENTATION
NETZKABEL
CAVO DI ALIMENTAZIONE
CABLE DE ALIMENTACION

CORD STOPPER 25307670
ATTACHE CORDON SECTEUR
ZUGENTLASTUNG
BRIDA CORDONE DI ALIMENTAZIONE
SUJECION CABLE DE ALIMENTACION

CABLE 460MM 20KV HT STRIPPED ⚠ 10369650
CABLE 460MM 20KV HT STRIPPED
KABEL 460MM 20KV HT STRIPPED
CAVO 460MM 20KV HT STRIPPED
CABLE 460MM 20KV HT STRIPPED

A66EHJ13X715 CATHODE RAY TUBE ⚠ 10715820
A66EHJ13X715 TUBE CATHODIQUE
A66EHJ13X715 FARBBILDROEHRE
A66EHJ13X715 TUBO CATODICO
A66EHJ13X715 T.R.C

DEGAUSSING COIL ⚠ 47320183
BOBINE DE DEMAGNETISATION
ENTMAGNETISIERUNGSSPULE
BOBINA DI SMAGNETTIZZAZIONE
BOBINA DE DESIMANTACION

RC111TA1G REMOTE CONTROL 21282860
RC111TA1G TELECOMMANDE
RC111TA1G FERNBEDIENUNG
RC111TA1G TELECOMANDO
RC111TA1G TELEMANDO

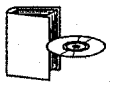
FOLDING BOX 810MM X 545MM X 645MM 25711530
EMBALLAGE CARTON 810MM X 545MM X 645MM
KARTON 810MM X 545MM X 645MM
IMBALLAGGIO CARTONE 810MM X 545MM X645MM
EMBALAJE CARTON X 545MM X 645MM

FITTING DOWNER 544MM X 150MM 25711780
CALE INFERIEURE 544MM X 150MM
POLSTER UNTEN 544MM X 150MM
DISTANZIATORE INFERIORE 544MM X 150MM
CALZO INFERIOR 544MM X 150MM

FITTING UPPER 544MM X 254MM 25711920
CALE SUPERIEURE 544MM X 254MM
POLSTER OBEN 544MM X 254MM
DISTANZIATORE SUPERIORE 544MM X 254MM
CALZO SUPERIOR 544MM X 254MM

MAINTENANCE TOOLS
MAINTENANCE
WERKZEUG FUER DAS GERAET
UTENSILI DI MANUTENZIONE
MANTENIMIENTO

ITC008 POWER SUPPLY REPAIR KIT 35711620
ITC008 KIT MAINTENANCE ALIMENTATION
ITC008 REPARATURSET NETZTEIL
ITC008 KIT PER RIPARARE ALIMENTAZIONE
ITC008 KIT DE REPARACION ALIMENTACION



28DF172 PARTS LIST 35856860
28DF172 LISTE DE PIECES DETACHEES
28DF172 ERSATZTEILLISTE
28DF172 LISTA PARTI DI RICAMBIO
28DF172 LISTA DE PIEZAS DE REPUESTO

ITC008 SERVICE MANUAL 35696810
ITC008 DOC TECHNIQUE
ITC008 TECHNISCHE DOKUMENTATION
ITC008 DOCUMENTAZIONE TECNICA
ITC008 DOCUMENTACION TECNICA

ITC008 SERVICE MANUAL VERSION 2 35922830
ITC008 DOC TECHNIQUE VERSION 2
ITC008 TECHNISCHE DOKUMENTATION VERSION 2
ITC008 DOCUMENTAZIONE TECNICA VERSION 2
ITC008 DOCUMENTACION VERSION 2

CDROM ITC008 35765170
CDROM ITC008
CDROM ITC008
CDROM ITC008
CDROM ITC008

ITC008 UM BASIC 16 LANGUAGE 25683450
ITC008 NU BASIC 16 LANGUES
ITC008 BA BASIC 16 SPRACHE
ITC008 IU BASIC 16 LINGUA
ITC008 IU BASIC 16 LENGUA

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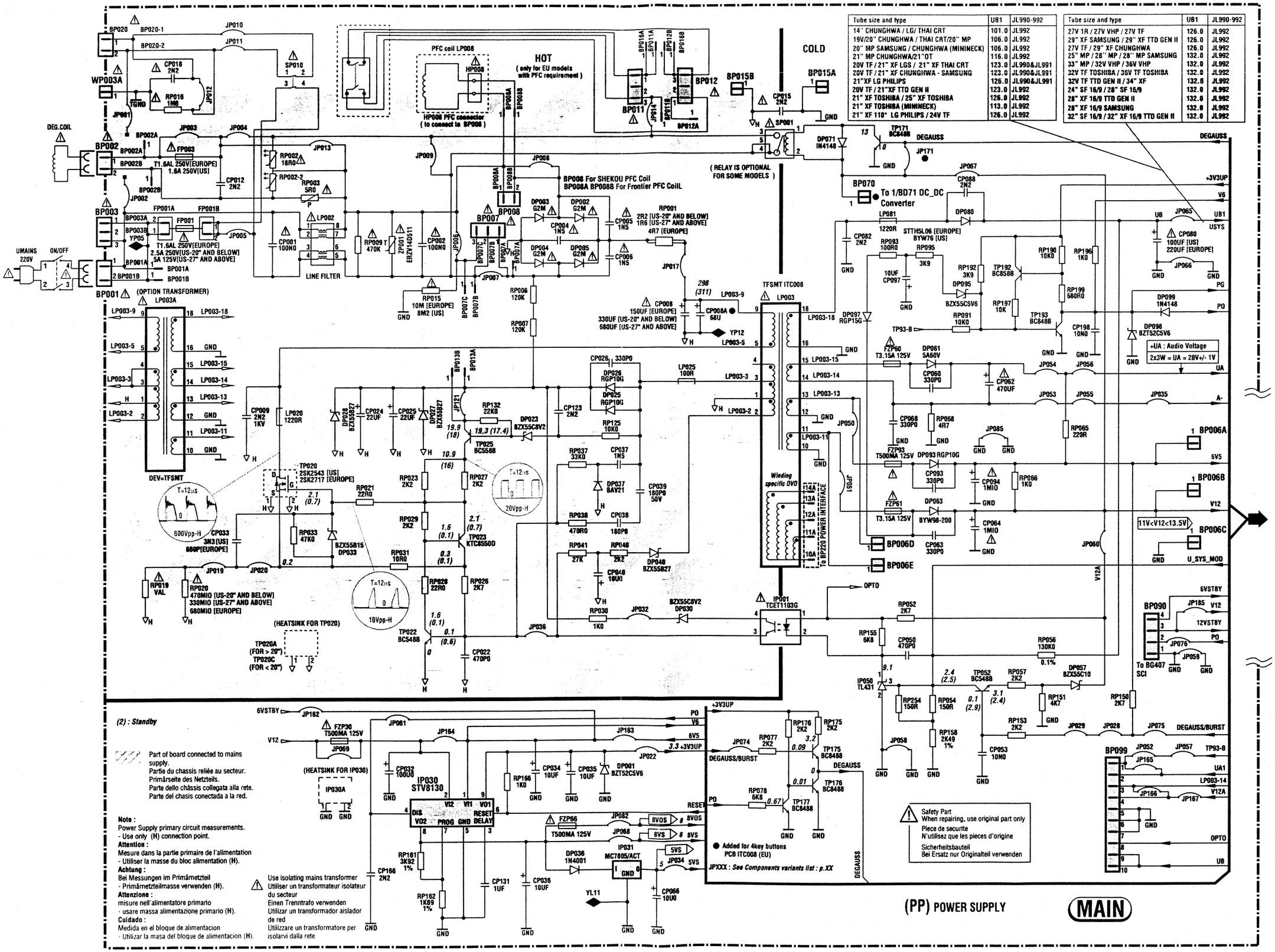
COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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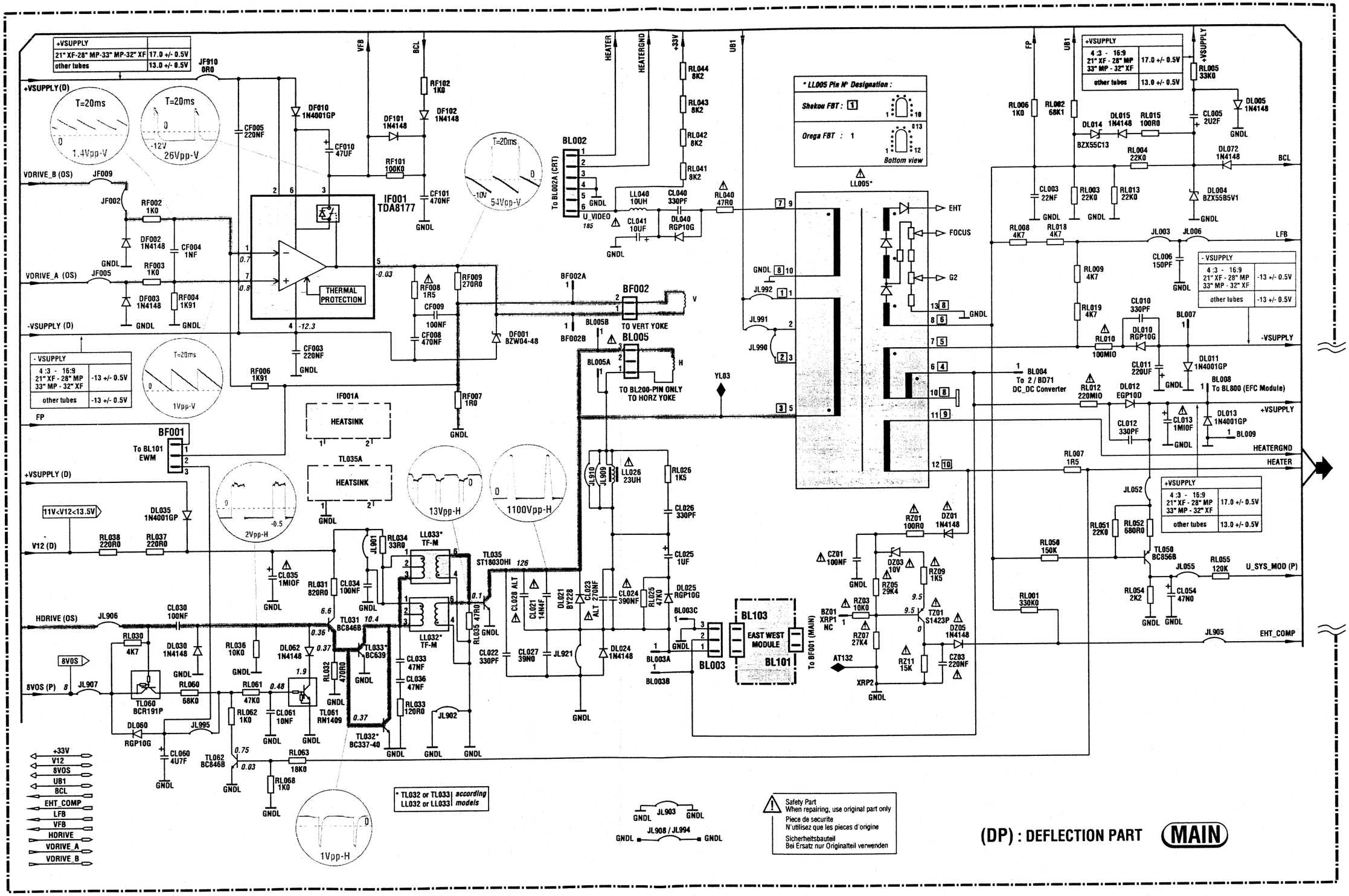
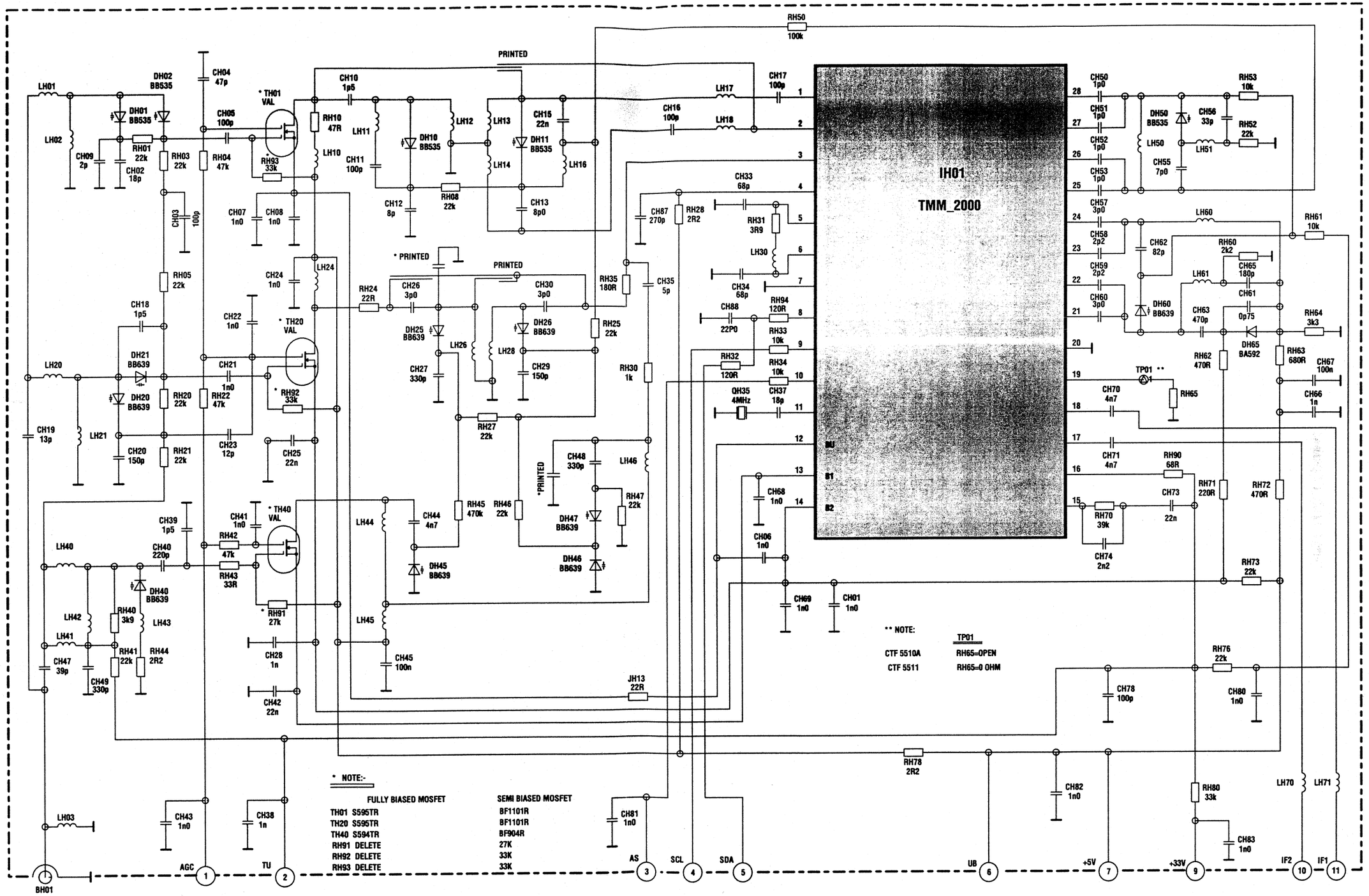


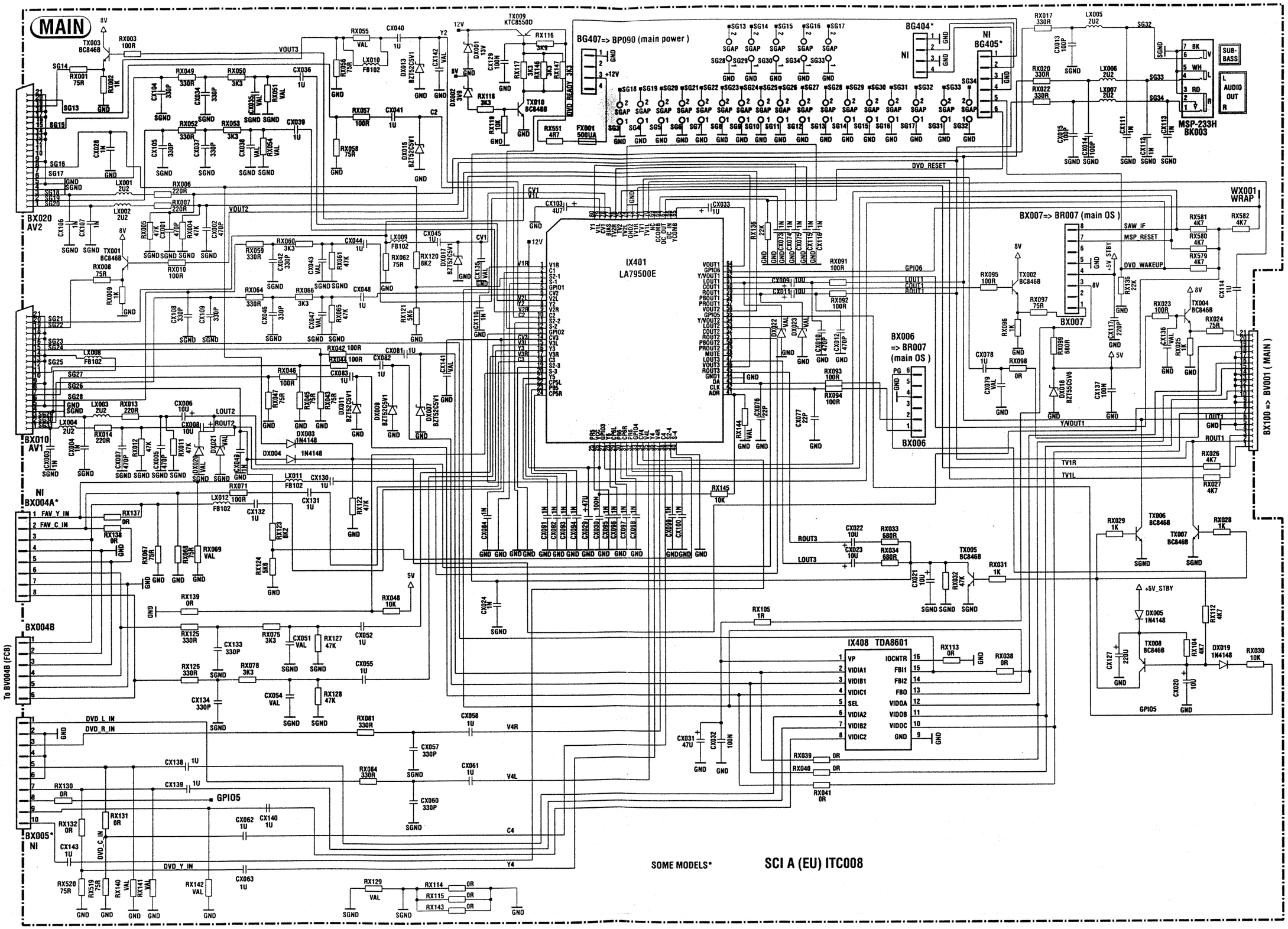
ITC008
First issue 04 / 03

Updated 05 / 05

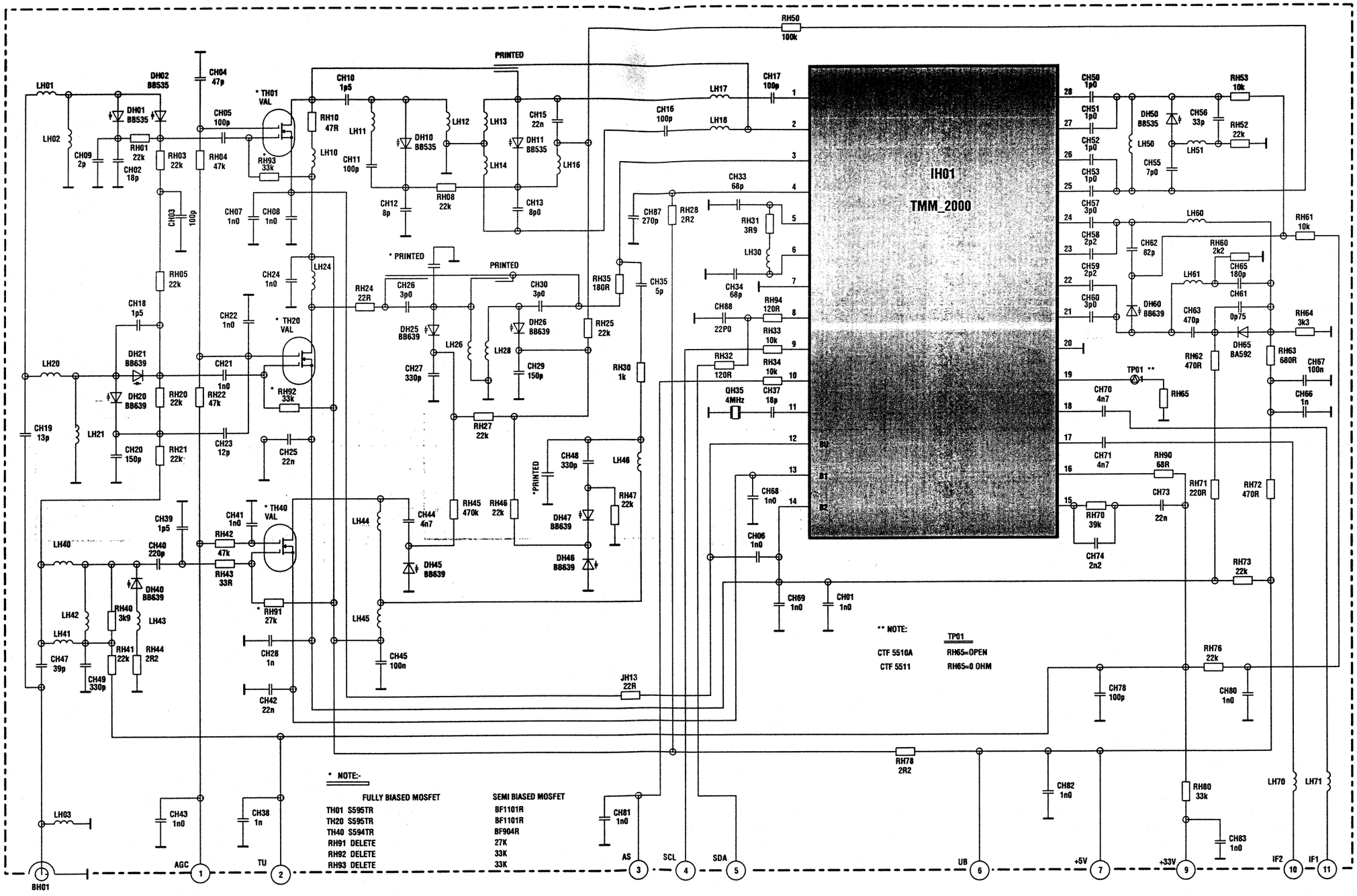
VHF / UHF TUNER CTF 5510 - CTF 5511



SCART INTERFACE - INTERFACE PERITELEVISION - SCART INTERFACE - PRESA PERITEL- EUROCONECTOR

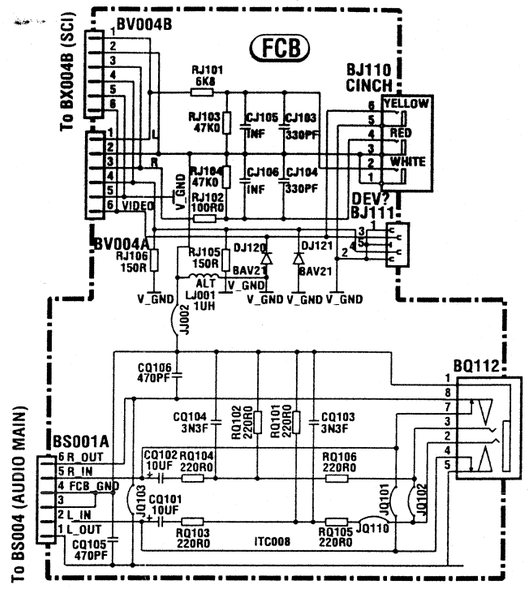


ITC008
First issue 04 / 03

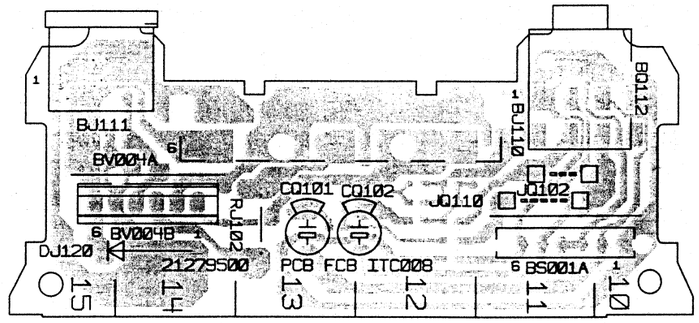


ITC008
First issue 04/ 03

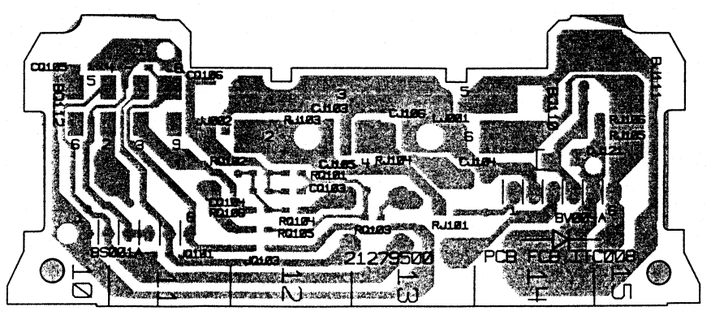
FRONT CONNECTOR BOARD - PRISES EN FACADE ET INTERCONNEXION DU CLAVIER -FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL



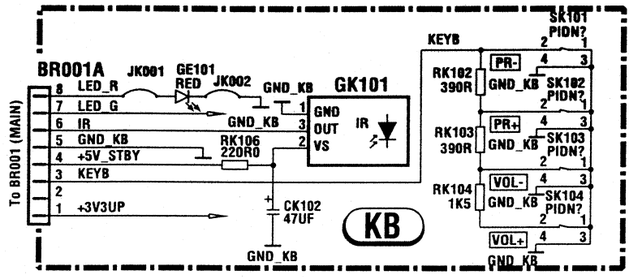
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



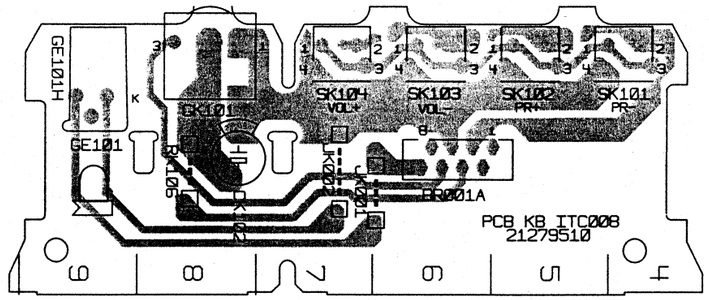
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



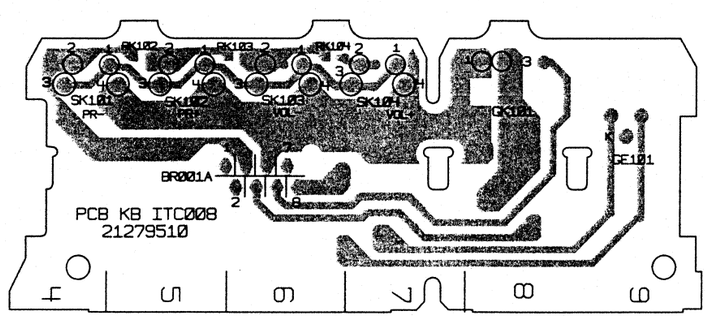
KEYBOARD - CIRCUITS DE COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA DEI CIRCUITI TASTIERA - ESQUEMA DE LOS CIRCUITOS MANDOS



COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



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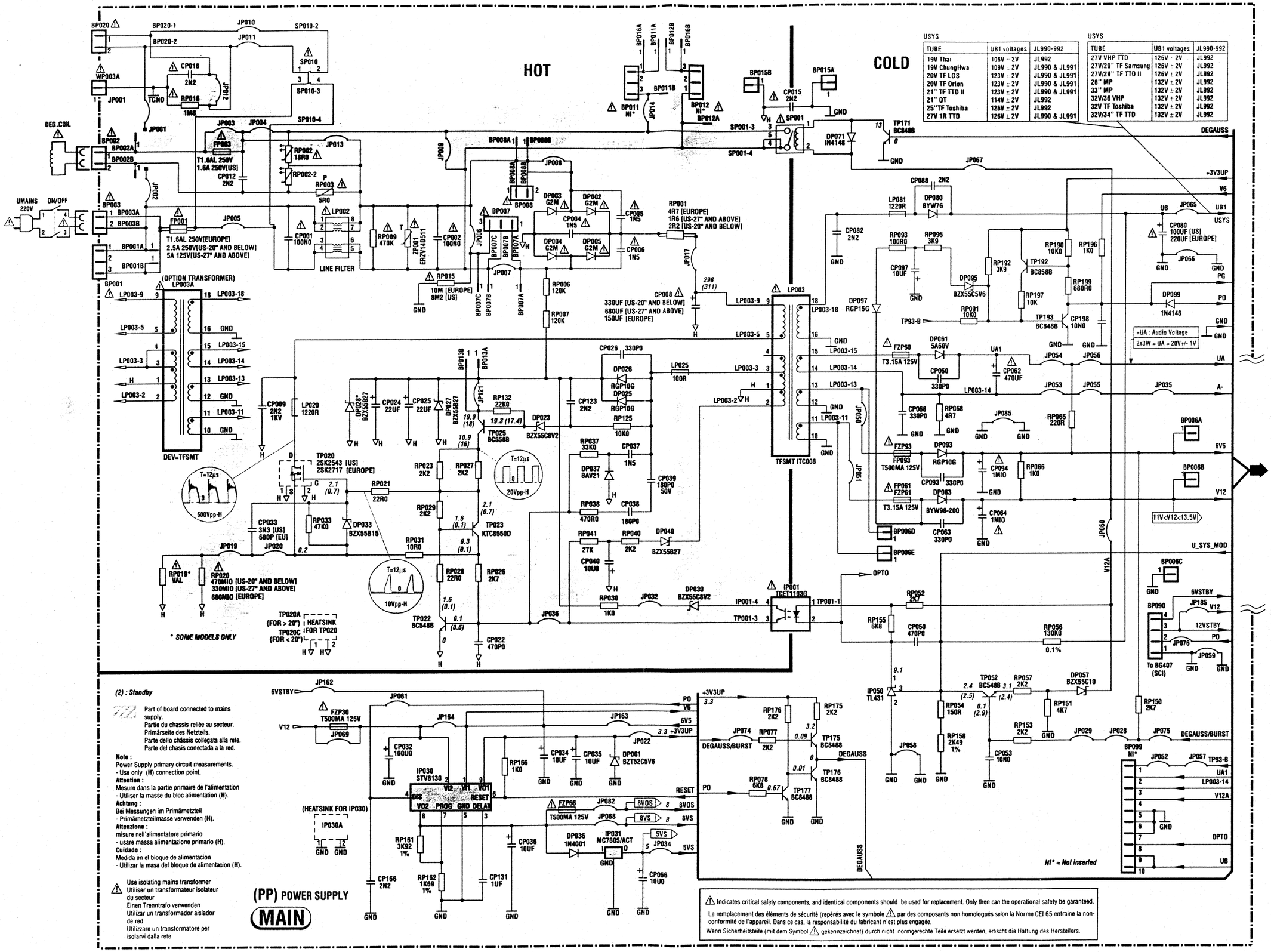
COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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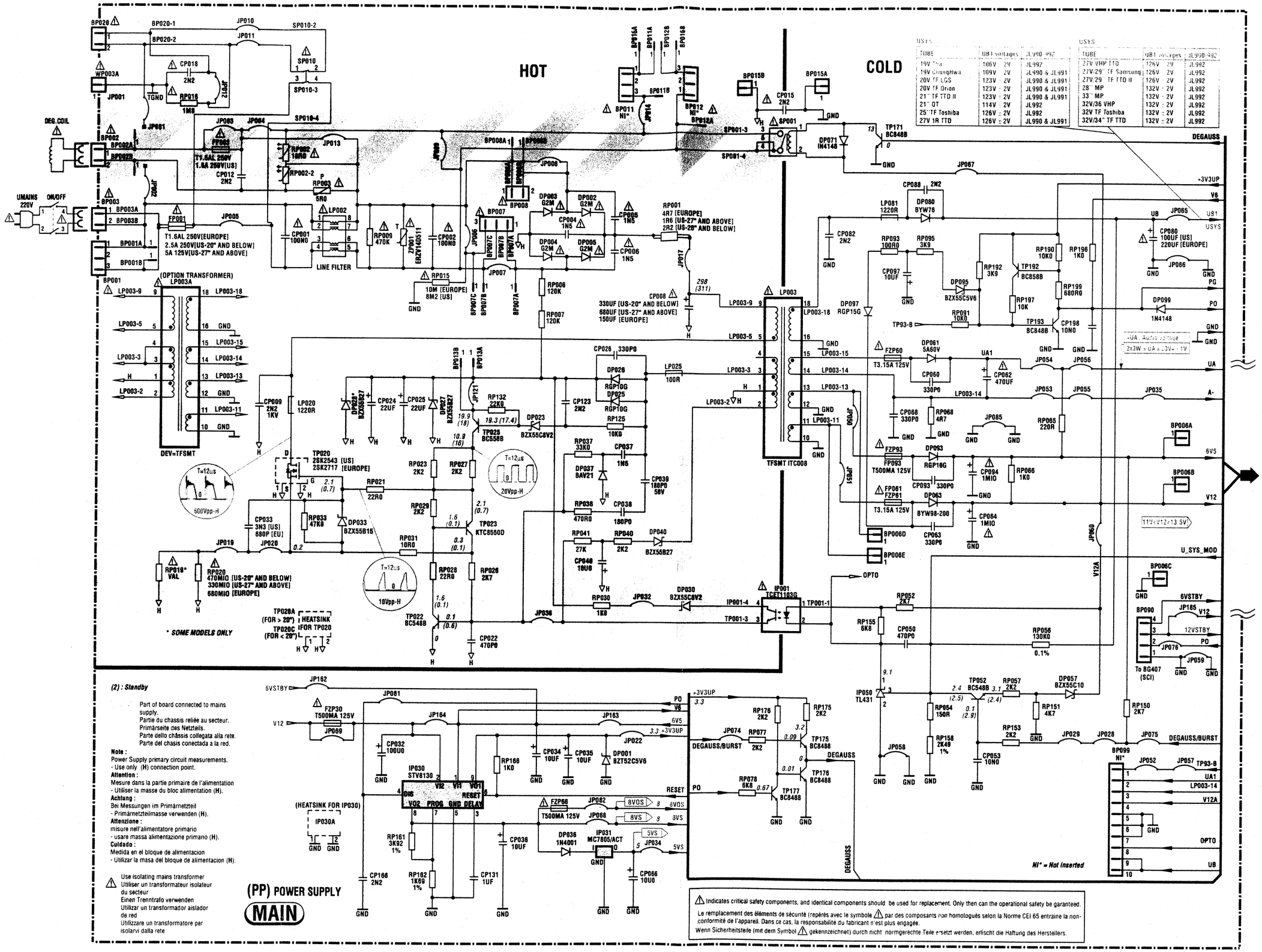
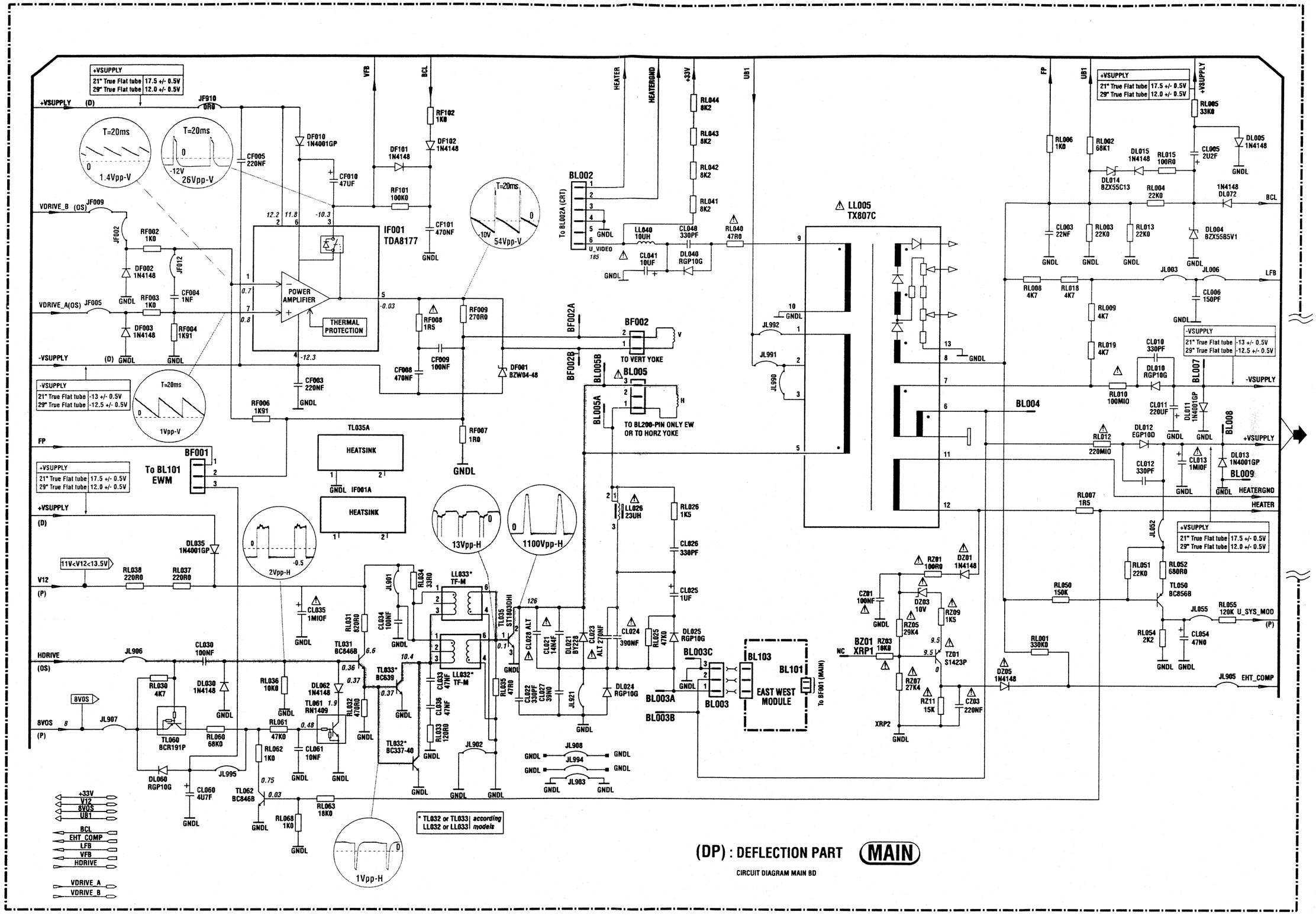


USYS			
TUBE	UB1 voltages	JL990-992	
19V [illegible]	106V ± 2V	JL992	
19V ChungHwa	109V ± 2V	JL990 & JL991	
20V TF LGS	123V ± 2V	JL990 & JL991	
20V TF Orion	123V ± 2V	JL990 & JL991	
21" TF TTD II	123V ± 2V	JL990 & JL991	
21" QT	114V ± 2V	JL992	
25" TF Toshiba	126V ± 2V	JL992	
27V 1R TTD	126V ± 2V	JL990 & JL991	

USYS			
TUBE	UB1 voltages	JL990-992	
27V VHP TTD	126V ± 2V	JL992	
27V:29" TF Samsung	126V ± 2V	JL992	
27V:29" TF TTD II	126V ± 2V	JL992	
28" MP	132V ± 2V	JL992	
33" MP	132V ± 2V	JL992	
32V/36 VHP	132V ± 2V	JL992	
32V TF Toshiba	132V ± 2V	JL992	
32V/34" TF TTD	132V ± 2V	JL992	

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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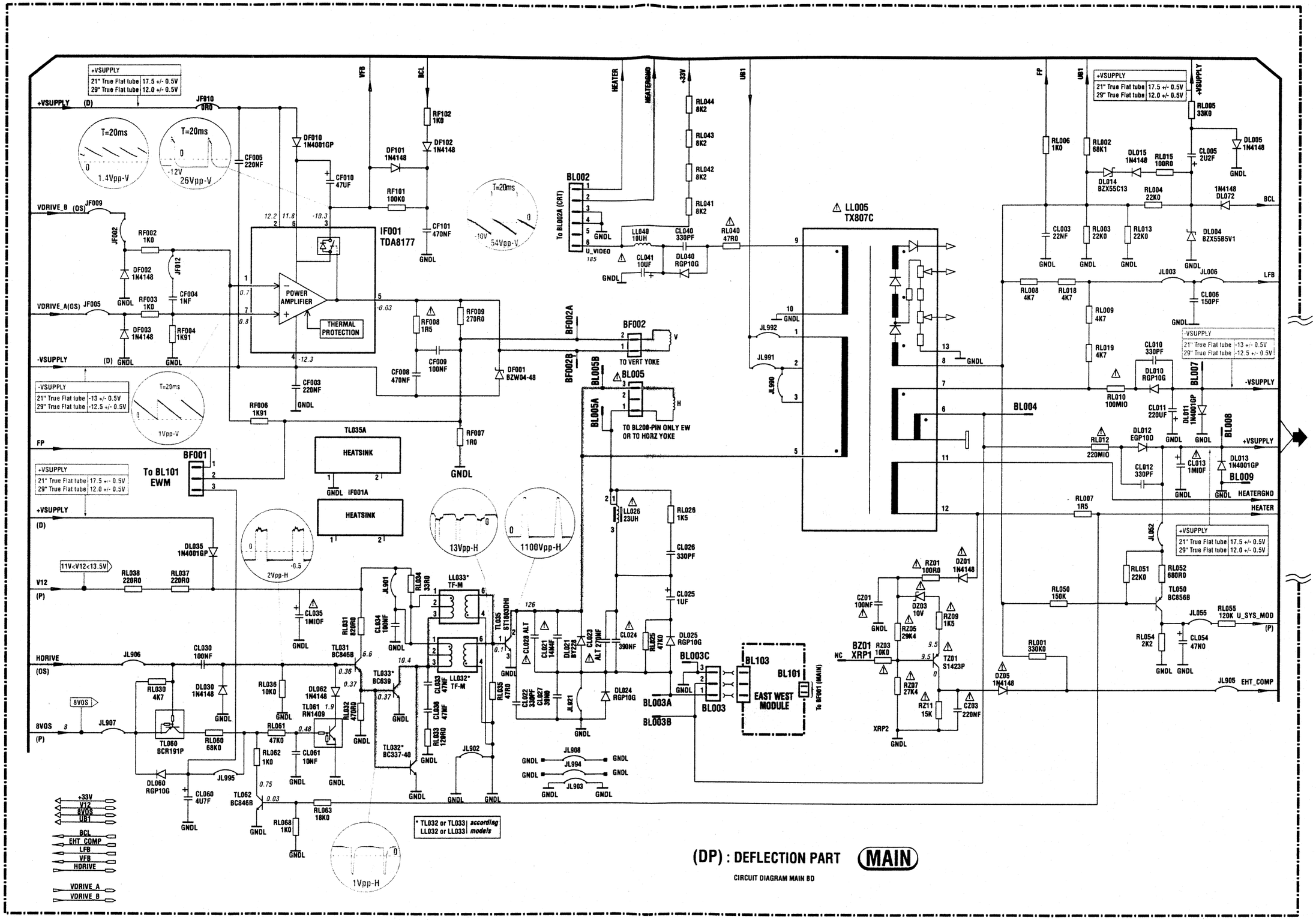
COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCH	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	i.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IrDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER,RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING

SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER

PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER

PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT

MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LNM	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
1	1412	11111111111111111	R123	TDM	YA22	C1	Z1	
.	3641	3456789XXXXXXXXXX	111.					.

FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'

DEFECT CODES

MECHANICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)
A1	MISOPERATING
B	DIRTY, CLOGGED
C	MECHANICALLY MISALIGNED
D	CUT, BROKEN
E	DEFORMED
F	SNAPPED
G	SCRATCHED, DENTED, SHARP EDGES
H	CRACKED, PEELED, CORRODED, MELTED
I	LOOSE/OFF/STRIPPED
J	SHAKY, UNSTABLE
K	LEAKING (MECHANICAL)
L	DRY (NO LUBRICANT)
M	FOREIGN OBJECT

ELECTRICAL	
N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
O	BURNT, ARCING, MISSING PIXELS
P	ELECTRICALLY MISALIGNED/WRONG SETTING
Q	SHORT CIRCUIT
R	OPEN CIRCUIT
S	LEAKING (ELECTRICAL)
T	BAD CONTACT, CONNECTION
T1	BAD EARTH CONNECTION
U	OPEN PATTERN
V	CRACKED PRINTED CIRCUIT BOARD
W	COLD OR NO SOLDERING
X	BRIDGED SOLDERING
Y	WRONG COMPONENT/MODULE
Z	MISSING COMPONENT/MODULE
1	SOFTWARE PROBLEM
11	LOSING DATA FROM MEMORY
12	FAULTY PROGRAM SETTING/INSTALLATION
13	SOFTWARE DEFECTIVE OR INCOMPLETE
14	SOFTWARE SETUP PROBLEM
15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
2	EXHAUSTED, LOW EMISSION
3	NO PROBLEM FOUND (SET WITHIN SPEC)
4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING
5	NO PROBLEM FOUND - LOCAL CONDITIONS
51	FAULTY MAINS VOLTAGE
6	UNABLE TO DIAGNOSE FAULT
7	INCORRECTLY WIRED/ASSEMBLED
81	INCORRECT EQUIPMENT CONNECTION
9	CUSTOMER MISUSE
93	UNAUTHORISED MODIFICATION

REPAIR CODES

A	REPLACEMENT
B	MECHANICAL ALIGNMENT
C	ELECTRICAL ALIGNMENT
D	RESOLDERING
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)
E	CLEANING
F	LUBRICATION
G	REPAIRED ELECTRICAL PARTS
H	REPAIRED MECHANICAL PARTS
I	MODIFICATION REQUESTED BY MANUFACTURER
J	REMOVED
K	ADDED
L	FUNCTIONAL CHECK
M	SPECIFICATION MEASUREMENT
N	MAINTENANCE
O	REFURBISHING, RECONDITIONING
P	PREVENTIVE PARTS REPLACEMENT

Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
U	EXPLANATION FOR CUSTOMER
V	COST ESTIMATION REFUSED
W	COST ESTIMATION WITH PARTS
X	COST ESTIMATION WITHOUT PARTS
Y	RETURN WITHOUT REPAIR
Z	PRODUCT EXCHANGE
Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
1	SOFTWARE CORRECTION/RESET
2	SOFTWARE UPGRADE
3	PRODUCT UPGRADE (ON REQUEST)

ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION

SET-UP LINES

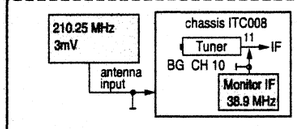
ET1 ID: S2.3

INIT
KEY Off
LOCK Off
LIMIT <0-63> 32

ET1 ID:S2.3	
INIT Initialise TV set.Press "OK" button. Sets all Service Mode functions stored in the EEprom to their default values. See below the default values table. ⚠ "INIT" copy all service parameters from the ROM to EEprom. It will be necessary in this case to readjust most of the service mode functions. ⚠ "INIT" copie toutes les valeurs par défaut stockées en ROM vers l'EEprom.Il peut être nécessaire dans ce cas de reprendre la plupart des réglages du mode service. ⚠ "INIT" kopiert alle Service-Parameter aus dem ROM in das EEPROM. Es ist anschliessend notwendig die meisten Service-Funktionen neu abzugleichen ⚠ "INIT" copia tutti i parametri di servizio dalla ROM alla EEprom. Sarà necessario in seguito regolare alcune funzioni in Service Mode. ⚠ "INIT" copia todos los valores por defecto memorizados en la ROM hacia la EEPROM. Puede ser necesario en el caso de tener que reajustar la mayor parte de los ajustes en Modo Servicio	
Key Lock Pr+ Pr- on the front panel	ON : Disable the PR keys. Touches PR du clavier inactives. Disable the PR keys. Disable the PR keys. Disable the PR keys.
Lock Lock for Hotel Mode	Factory Setting
Limit Limit for Volume control	Factory Setting

VIDEO LINES

VG2	03
AGC	34
BKS*	01
OS-B	02
PKWS*	36 33 33
WPBS*	33
WPGS*	33
WPRS*	36
BLOGS*	37
BLORS*	32
YD	00
CL	11

VG2 G2 Alignment	◑ + ☼ + ◑ = 50% TV to AV or RF : White box test pattern in center. white = 100% Adjust G2 with the SCREEN potentiometer (LL005) to get 03. Régler G2 avec le potentiomètre SCREEN (LL005) pour obtenir 03 Gleichen Sie G2 mit dem SCREEN-Potentiometer (LL005): VG2=03 Regolar il potenziomero G2 SCREEN (LL005) : VG2=03 Ajustar la G2 con el potenciómetro SCREEN (LL005): VG2=03.
AGC **AGC - Automatic Gain Control alignment**	- Minimum noise- Minimum de bruit - Minimum Rauschen - Rumore minimo - Minimo ruido  - Set AGC to 00 - Adjust AGC for maximum gain of IF signal. - Reduce IF level about 8dB. **ROM Defaut Value :** AGC : 20
BKS Black Stretch	Factory Setting
OS_B Sub-Brightness	☼ + ◑ + ◑ = 50% Grey scale test pattern white =100% TV : BG or L black
PKWS / PKWP Peak White SECAM/PAL**	☼ + ◑ = 50% ◑ = 70% Peak white test pattern. white = 100% colourimeter

Sets	Nits
21" OT 90° sets	420 +/- 10%
21" XF-TTD	420 +/- 10%
25" XF Toshiba	300 +/- 10%
28" MP	300 +/- 10%
29" XF-Samsung	200 +/- 10%
29" XF TTD II	250 +/- 10%
33" MP	250 +/- 10%
34" XF TTD	200 +/- 10%

Drive** **WPRS / WPRP White Point Red SECAM/PAL** **WPGS / WPGP White Point Green SECAM/PAL** **WPBS / WPBP White Point Blue SECAM/PAL**		☼ + ◑ + ◑ = 50% Grey scale test pattern white =100% white
Cut-off ** **BLORS / BLORP Black Level Offset Red SECAM/PAL** **BLOGS / BLOGP Black Level Offset Green SECAM/PAL**		☼ + ◑ + ◑ = 50% Grey scale test pattern white =100% grey
YD Luminance Delay		Use ◇▷ to adapt the image
CL Cathode Level		Factory setting. Extension of the peak White range. Réglage usine. Extension des valeurs de réglages du Peak White. Fabrik-Einstellung (Umfang des Spitzenweiß Einbereiches) Factory Setting. Extension of the peak White range. Ajuste de fábrica Extensión del margen del Peak White.

**Perform the G2 and the Focus settings beforehand.*
Effectuez au préalable les réglages de G2 et de focus.
Stellen Sie zuvor G2 und "Focus" ein.
Effetuare le regolazioni G2 e del Fuoco innanzitutto.
Efectuar previamente los ajustes de G2 y Foco

** Adjust separate for PAL / SECAM
" S " : Video signal received is SECAM.
" P " : Video signal received is PAL.

GEOMETRY LINES

VSH	32
SC	27
VA	37
VS	38
HSH	37

VSH		
SC S-Correction		S
VA		

VS
V_Slope

- Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen.
- Select the "**VS**" line of the menu. The bottom half of the screen will go black.
- Adjust VS until the centre line of the pattern is just invisible.
- **Leave the line "V_Slope".**
- **Switch the test pattern signal to the crosshatch geometry pattern.**
- **Perform the geometry adjustments described below.**

- Appliquer une mire de barres avec seulement une ligne blanche horizontale en milieu de l'écran.
- Sélectionner la ligne "**V-Slope**". La moitié basse de l'écran devient noire.
- Aligner "**V_Slope**" pour que la ligne médiane soit à peine non visible.
- Commuter la mire en mode de réglage de géométrie (quadrillage).
- Effectuer les reglages de geometrie ci- après.

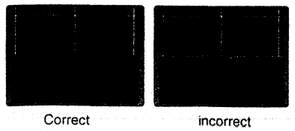
- Speisen Sie ein Testbild mit einem horizontalen Strich in der Bildmitte ein.
- Wählen Sie im Menü die Funktion "V-Slope" an. Die untere Bildhälfte wird dunkel.
- Stellen Sie "V-Slope" so ein, daß die Mittellinie fast verschwindet.
- Verlassen Sie die Funktion "V-Slope".
- Speisen Sie ein Gittertestbild ein.
- Nehmen Sie die Geometrieeinstellungen wie nebenstehend beschrieben vor.

- Applicare un monoscopio con un'unica linea bianca orizzontale al centro dello schermo
- Selezionare la riga "**V slope**" del menu. La parte bassa dello schermo viene oscurata.
- Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile
- Abbandonare la riga "**V slope**".
- Posizionare il monoscopio
- Effettuare le regolazioni di geometria descritte in precedenza
- Memorizzare.

- Aplique una carta de ajuste con sólo una línea blanca horizontal y una vertical en el centro de la pantalla.
- Seleccionar en el menú, la línea "**V-Slope**". La mitad inferior de la pantalla se pondrá oscura.
- Ajuste "**V-Slope**" justo hasta que la línea horizontal sea invisible.
- Cambiar la carta de ajuste a "cuadrícula" y efectuar los ajustes de geometria descritos a continuación
- Antes de salir, memorizar con "Store"

HSH		

V-Slope



Correct incorrect

IF / SET-UP LINES

OIF	24

OIF Offset IF demodulator	Factory Setting OIF=24H

VIDEO PROCESSOR LINES*

SOC*	03

SOC* Peak White Limiting	Factory Setting SOC=03H

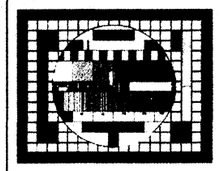
* According to software version.
Selon version de software.

GEOMETRY MODE ALIGNMENT

90° tube

Signal : 50 Hz - 4/3 test pattern

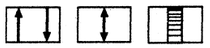
4 / 3 standard mode



Overscan V=107% , H=107%

1 - Adjust Horizontal Centering (HS)

2 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA)
3 - Adjust Vertical Slope (VS) and linearity (SC)

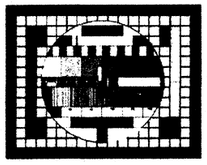


4-If necessary repeat VSH, VA alignment to 7% overscan.

110° tube

Signal : 50 Hz - 4/3 test pattern

4 / 3 standard mode



Overscan V=107% , H=107%

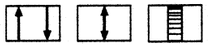
EAST-WEST MODULE

1 - **PL140** : Turn fully counterclockwise.

MAIN BOARD

2 - Adjust Horizontal Centering (HS)

3 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA)
4 - Adjust Vertical Slope (VS) and linearity (SC)



5 - If necessary repeat VSH, VA alignment to 7% overscan.

EAST-WEST MODULE

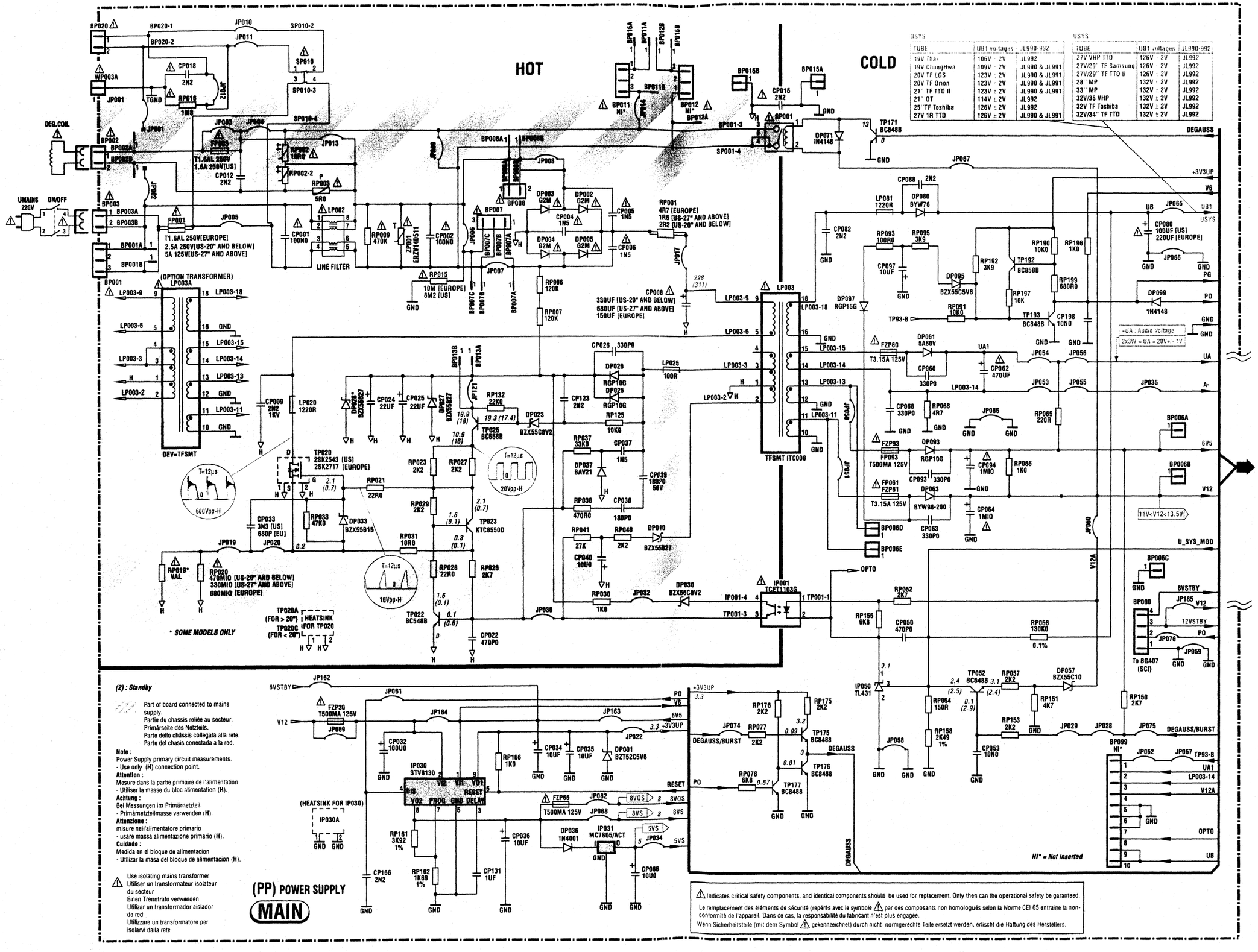
6 - **PL140** : Adjust Horizontal amplitude with PL140 for optimum overscan.

7 - **PL141** :Adjust Pincushion.

8 - **PL143** : Adjust Trapezium

9 -If necessary repeat Horizontal amplitude, pincushion correction and trapezium alignment

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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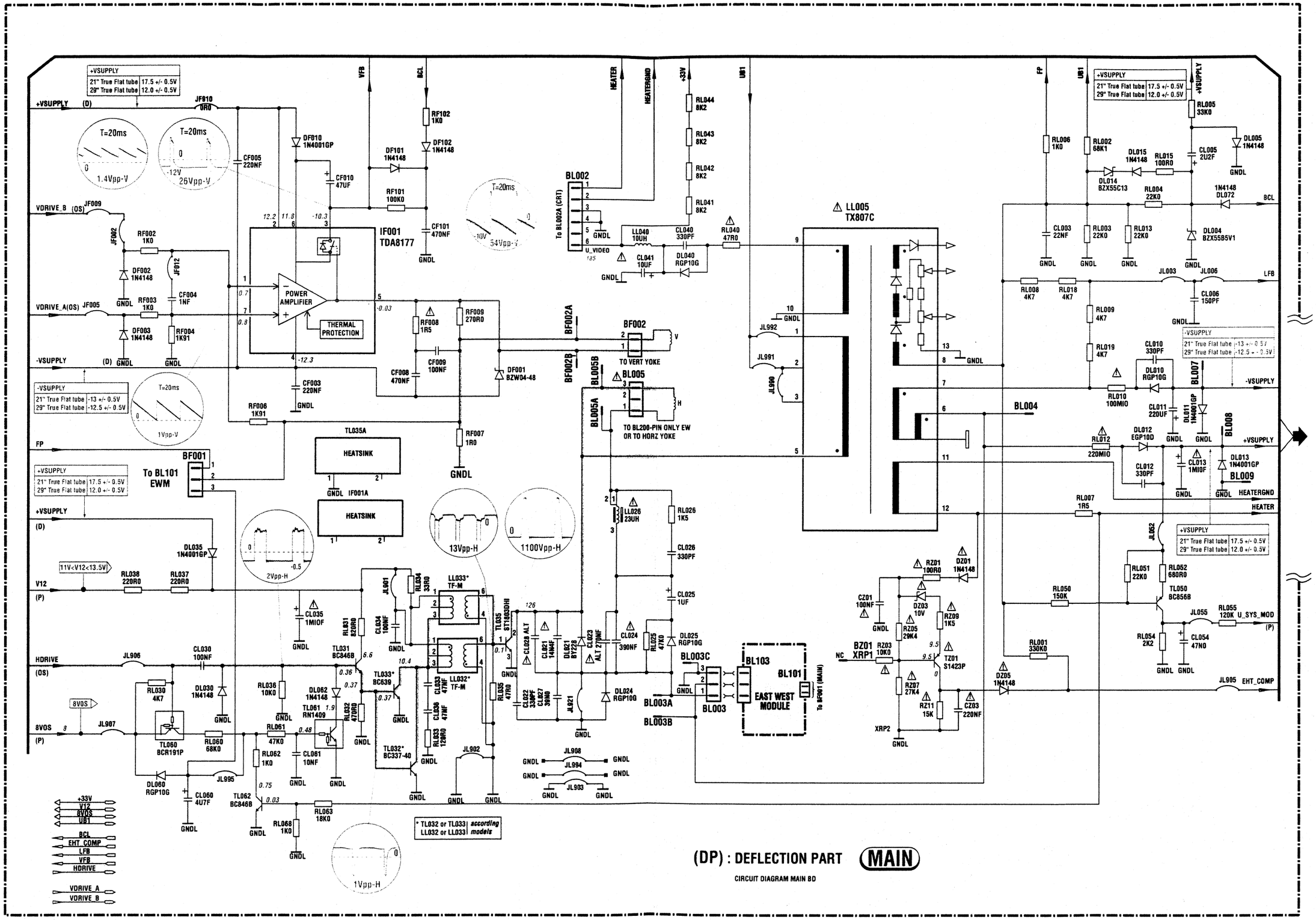

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SERVICE-MODE (EN)

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Focus and Screen voltages.

1. Service Mode Access

1.1 With the RCU, switch the TV set into the **"Standby"** mode.
1.2 Switch **"Off"** the TV set by mains supply switch (wait until LED is dark).
1.3 Whilst pressing the **"Magenta** (text)**"** button on the RCU switch **"On"** the TV set using the mains switch.
Continue to press the **"Magenta** (text)**"** button until the Service-setup Sub-menu appears.

ET1 ID : S2.3	*(1)*
INIT ◁ ▷	*(2)*

2. Service Menu

2.1 Navigation

- Press the ∧ / ∨ buttons to select the menu line.
- Press the 〈/〉 buttons to make adjustments or selection of a menu item.

2.2 Service-Menu lines

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Activation of a line :

The first line (1) is continuously displayed. Sequential selection of the others lines in the Service Menu is possible by pressing the ∧ / ∨ buttons on the RCU.

3. Alignment and storing new function value

3.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU 〈/〉 buttons.
3.2 The values will be stored in the non-volatile memory when leaving the service menu or switching the TV into standby mode.

4. Temporary exit from Service Mode

4.1 To temporary leave the Service Mode, press the **"Exit"** button on the RCU. To access the everyday menus, press the **"Menu"** button on the RCU.
4.2 To return to the Service Menu, press the **"Magenta"** button on the RCU

5. Leaving the Service Mode

5.1 To **EXIT** the Service Menu either press, the **"Standby"** button on the RCU or switch **"Off"** the mains supply to the TV.

MODE SERVICE (FR)

Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf les réglages de Focus et de tension de grille-écran).

1. Accès au mode service

1.1 Commuter le téléviseur en position de veille avec la télécommande.
1.2 Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
1.3 Maintenir la touche **"Magenta** (text)**"** enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
Ne pas relacher la touche **"Magenta** (text)**"** jusqu'à apparition du menu

ET1 ID : S2.3	*(1)*
INIT	*(2)*

2. Menu Service

2.1 Déplacement

- Appuyer sur la touche ∧ / ∨ pour sélectionner une ligne de menu.
- Appuyer sur la touche 〈/〉pour un réglage ou une sélection d'une option.

2.2 Lignes de Menus du mode service

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Sélection d'une ligne:

La premières ligne (1) du menu est toujours affichée.
De courtes pressions sur la touche "∧ / ∨" sélectionnent séquentiellement la ligne (2).

3. Réglage des fonctions sélectionnées; mémorisation

3.1 La valeur momentanée de la fonction sélectionnée est indiquée sous forme hexadécimale à droite, à coté de la position à régler et peut être modifiée avec la télécommande par la touche 〈/〉 .
3.2 La valeur de réglage est mémorisée dans la mémoire non volatile en sortie de mode service ou en mettant le TV en position de veille.

4. Sortie temporaire du mode service

4.1 Utiliser la touche **"Exit"** de la télécommande.
Le menu utilisateur peut-être accessible via la touche **"Menu"**.
4.2 Pour entrer à nouveau dans le Menu Setup utiliser la touche magenta.

5. Sortie du mode service

5.1 Pour sortir du mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

SERVICE-MODE (DE)

Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
1.3 Während Sie die margentafarbene Taste **(text)** auf der Fernbedienung gedrückt halten, schalten Sie das Gerät mit dem Netzschalter ein. Halten Sie die margentafarbene Taste solange gedrückt bis das Service Setup Sub-Menü erscheint.

ET1 ID : S2.3	*(1)*
INIT	*(2)*

2. Service Menü

2.1 Navigation

-Drücken Sie die Tasten ∧ / ∨ zum Auswählen der Menüzeile.
-Drücken Sie die 〈/〉 -Tasten um eine Menüfunktion anzuwählen oder abzugleichen.

2.2 Service-Menü Zeilen

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Aktivierung einer Menüzeile:

Die erste Zeile (1) wird ständig angezeigt. Die Anwahl der Zeilen (2) im Service-Menü ist durch Drücken der ∧ / ∨- Tasten möglich.

3. Abgleich der gewählten Funktion und Speichern

3.1 Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste 〈/〉 auf der Fernbedienung verändert werden.
3.2 Die Werte werden nach dem Abschalten des Gerätes in Standby oder nach dem Verlassen des Service-Menüs im nichtflüchtigen Speicher (EEPROM) abgelegt.

4. Vorübergehendes verlassen des Service-Mode

4.1 Auf der Fernbedienung Exit drücken.
Mit der Tasten Menü gelangen Sie zum Menü-Übersicht.
4.2 Durch Drücken der margentafarbenen Taste gelangen Sie in das Service Setup Sub-Menü.

5. Service-Mode verlassen

5.1 Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

MODO SERVICIO (ES)

Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

1. Ajustar el Modo Servicio

1.1 Con el mando a distancia conectar a STANDBY el televisor.
1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
1.3 Mientras mantiene pulsado el botón **"Magenta** (texto)**"** de la UCR, pulse el interruptor general de red para encender el televisor.
Mantenga pulsado el botón **"Magenta** (texto)**"** hasta que aparezca el submenú de la configuración del servicio.

ET1 ID : S2.3	*(1)*
INIT	*(2)*

2. Menú Servicio.

2.1 Desplazamiento
- Pulse el botón ∧ / ∨ para seleccionar la línea del menú.
- Pulse el botón 〈/〉 para ajustar o seleccionar una opción del menú.

SERVICE-MODE (IT)

Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (tranne le regolazionu del fuoco e le tensioni della griglia schermo).

1. Attivazione del Service-Mode

1.1 Commutare il televisore in stand-by con il telecomando.
1.2 Spegnere l'apparecchio con l'interruttore di rete (attendere finchè il LED è spento)
1.3 Mentre tenete premuto il pulsante **"Magenta** (testo)**"** del RCU, accendete il televisore utilizzando l'interruttore di rete. Continuate a premere il pulsante **"Magenta** (testo)**"** del RCU fino all'apparizione del Service Setup Sub Menu

ET1 ID : S2.3	*(1)*
INIT	*(2)*

2. Service Menu

2.1 Navigazione

- Premere i tasti ∧ / ∨ per selezionare la linea del menu
- Premere i tasti 〈/〉 per la regolazione o la selezionz di un elemento del menu

2.2 Linee Service Menu

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Attivazione di una linea :

La prima linea (1) è continuamente visualizzata. La selezione delle linee sucessive (2) è possibile in service menu premendo i tasi ∧ / ∨.

3. Taratura della funzione scelta e memorizzazione

3.1 Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante 〈/〉 del telecomando.
3.2 I valori verranno memorizzati nella memoria num quando verrà lasciato il menù service mode o commutando il TV in modo standby.

4. Uscita temporanea dal Service Mode

4.1 Premere Exit sul telecomando.
Al menu di uso quotidiano si accede attraverso il pulsante Menu.
4.2 Il Service Setup Sub Menu è accessibile attraverso il tasto **"Magenta"**.

5. Disattivazione del Service-Mode

5.1 Per disattivare il Service Mode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

Set-up lines (INIT,KEY,LOCK,LIMIT) -
Video lines (VG2, AGC, BKS, OS-B, PKWS, WPBS, WPGS, WPRS, BLOGS, BLORS, YD, CL).
Geometry lines (VSH, SC, VA, VS, HSH)
IF/SET-UP lines (OIF,SOC)

2.3 Activación de una línea :
La primera línea (1) se muestra siempre en la pantalla. La selección secuencial de las líneas (2), es posible pulsando las teclas ∧ / ∨ .

3. Ajuste de la función elegida y almacenamiento

3.1 El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla 〈o bien 〉 en el mando a distancia.
3.2 Los valores serán memorizados en la EEPROM al salir del menú del Modo Servicio o pasando el TV a modo standby.

4. Salida temporal del Modo Servicio

4.1 Pulse Salir en el mando a distancia.
Con el botón Menu puede acceder al menú de uso cotidiano.
4.2 Puede acceder al submenú de configuración del servicio mediante el botón **"Magenta"**.

5. Salir del Modo Servicio

5.1 Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

EACEM-IRIS REPAIR CODING SYSTEM

SYMPTOM CODE TABLE

EACEM IRIS

□ | □—□ : □ → EXTENDED SYMPTOM CODE (*1)

CONDITION CODE — MAIN SYMPTOM CODE

1	CONSTANTLY
2	INTERMITTENTLY
3	AFTER A WHILE
4	IN A HOT ENVIRONMENT
5	IN A COLD ENVIRONMENT
6	WHEN SWITCHING
7	UNDER VIBRATION
8	IN A DAMP/WET/ RAINY/SNOWY ENVIRONMENT
9	IN A DRY ENVIRONMENT
A	AFTER BEING DROPPED/ TRANSPORT DAMAGE
B	AFTER LIGHTNING STRIKE
C	ONLY CERTAIN STATIONS/ SOFTWARE/ MODE/ CHANNELS/ FREQUENCY BAND
D	ONLY ON CERTAIN STANDARDS
E	ONLY ON ONE CHANNEL
F	ONLY WITH CERTAIN INPUT(S)
G	ONLY ON CERTAIN OUTPUT(S)
H	IN STANDBY/OFF MODE
J	AT EDIT POINT
K	WHEN INTERCONNECTED
L	LIQUID CONTAMINATION
M	FOR A SHORT WHILE AFTER SWITCH-ON
N	AFTER MAKING A COPY
O	UNDER STRESSED CONDITIONS / HIGH LOAD
P	AT SWITCH-OFF

(*1)

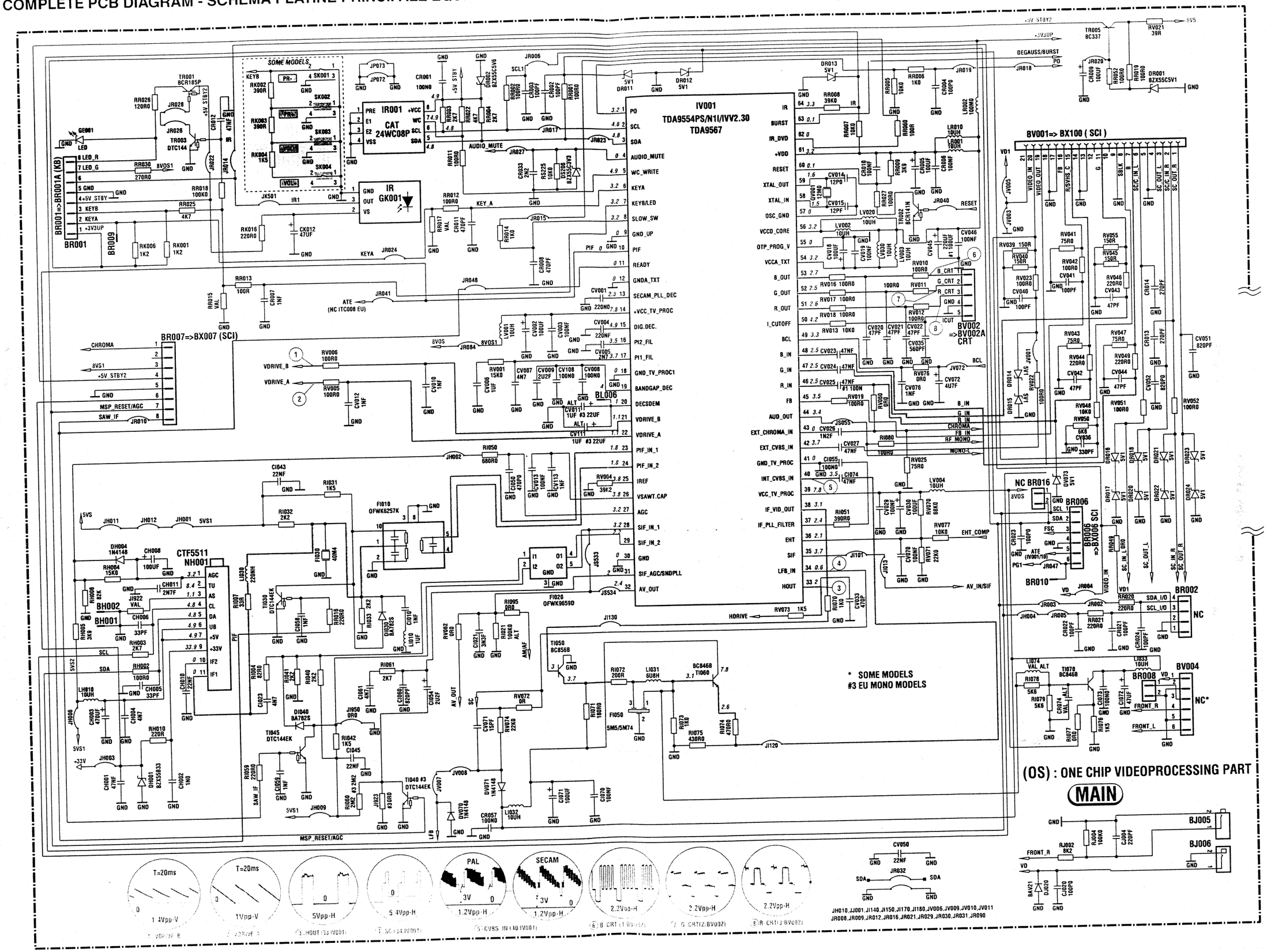
CAUTION

THE 'X' EXTENDED SYMPTOM CODES (*-**X) SHOULD ONLY BE USED TO INDICATE THAT A SUITABLE SYMPTOM DESCRIPTION IS NOT AVAILABLE IN THE CONCERNED SYMPTOM GROUP

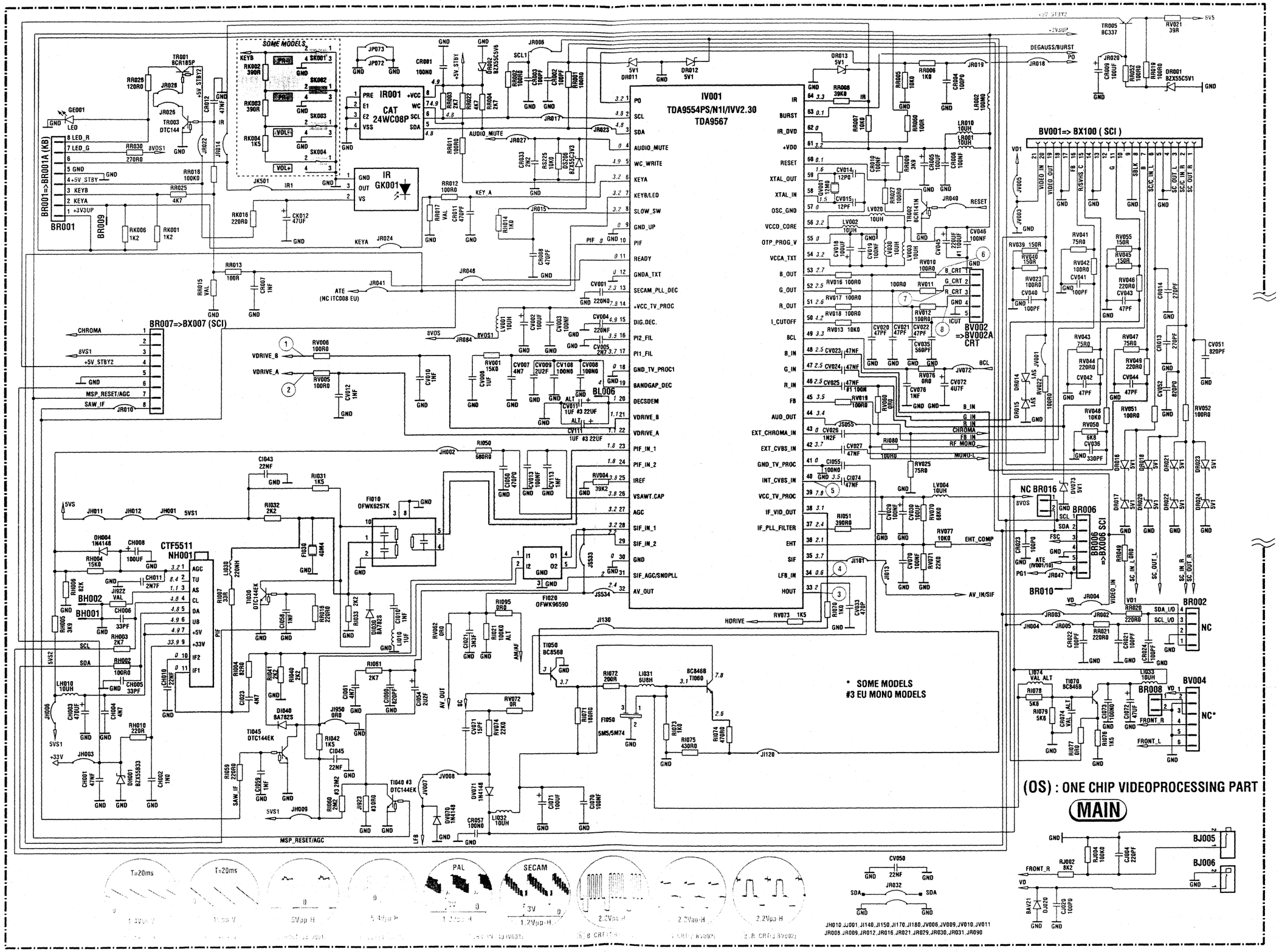
		1	NO ACTION	2	LEVEL	3	QUALITY	4	NOISE
1	GENERAL	110	**POWER PROBLEM OR NOT OPERATING**	120	**CHARGING PROBLEM**	130	**DISPLAY FUNCTION PROBLEM**	140	**ABNORMAL NOISE**
		111	NO POWER	121	NO BATTERY CHARGING	131	FAULTY DISPLAY	141	CRT DISCHARGING NOISE
		112	NO POWER WHEN USING AC-ADAPTER	122	INCOMPLETE BATTERY CHARGE	132	FAULTY LAMP/LED OPERATION	142	EHT DISCHARGING NOISE
		113	NO POWER WHEN USING DRY BATTERIES	123	CHARGING TIME TOO LONG	133	FAULTY LEVEL METER OPERATION	143	NOISY CABINET/CRACKING TRAYS
		114	NO POWER WHEN USING RECHARGEABLE BATTERIES	12X	OTHER 'CHARGING' PROBLEM	134	FAULTY ON-SCREEN DISPLAY OPERATION	144	NOISY TRANSFORMER/HUMMING
		115	NO POWER FROM SOLAR CELL			135	ELECTRONIC TUNING DISPLAY FAULT	145	NOISY COMPONENT(S)
		116	NO POWER WHEN USING A CAR BATTERY			136	MECHANICAL TUNING DISPLAY FAULT	146	RATTLE
		117	SHORT OPERATION TIME/SHORT BATTERY LIFE			137	FAULTY TIME CODE DISPLAY	147	CLICKING
		118	POWER-OFF FUNCTION NOT WORKING			138	FAULTY ALARM/ERROR DISPLAY	148	CLOCK NOISE
		119	NO SWITCH-ON FROM STANDBY			139	DISPLAY DIM/TOO DARK	149	CRACKING
		11A	POWERS UP, BUT NO OPERATION			13A	UNUSUAL OR INCORRECT MESSAGE IN DISPLAY	14A	WHISTLING
		11B	CYCLIC POWER ON/OFF					14X	OTHER 'ABNORMAL' NOISE
		11C	BLOWING EXTERNAL (MAINS) FUSE			13B	NO BACKLIGHT		
		11D	SET SWITCHES OFF BY ITSELF			13C	BEEPS, NO DISPLAY		
		11E	BACKUP BATTERY PROBLEM			13D	WARNING LIGHT DOES NOT WORK		
		11F	NOT OPERATING			13E	WARNING LIGHT LIGHTS UP		
		11G	NO AUTOMATIC SWITCH ON/OFF			13X	OTHER 'DISPLAY FUNCTION' PROBLEM		
		11H	PROTECTION SWITCH/FUSE IN SET TRIGGERS						
		11J	RECHARGEABLE BATTERY NOT RECOGNIZED						
		11X	OTHER 'POWER' PROBLEM						
2	COMMUNICATION	210	**NO RECEPTION OR CONNECTION**	220	**POOR RECEPTION OR CONNECTION**	230	**TRANSMISSION/CONNECTION PROBLEM**	240	**NOISY RECEPTION/TRANSMISSION**
		211	NO AM RECEPTION	221	POOR AM RECEPTION	231	NO TRANSMISSION/CONNECTION	241	LINE NOISE
		212	NO FM RECEPTION	222	POOR FM RECEPTION	232	POOR TRANSMISSION/CONNECTION	242	OSCILLATION
		213	NO SW RECEPTION	223	POOR SW RECEPTION	233	TRANSMISSION LEVEL TOO HIGH	243	INTERSTATION INTERFERENCE
		214	NO VHF RECEPTION	224	POOR VHF RECEPTION	234	NO TRANSMISSION BETWEEN BASE UNIT AND HANDSET	24X	OTHER 'NOISY RECEPTION/TRANSMISSION' PROBLEM
		215	NO UHF RECEPTION	225	POOR UHF RECEPTION		POOR TRANSMISSION BETWEEN BASE UNIT AND HANDSET		
		216	NO BS RECEPTION	226	POOR BS RECEPTION	235			
		217	NO CS RECEPTION	227	POOR CS RECEPTION				
		218	NO HDTV RECEPTION	228	POOR HDTV RECEPTION	236	NO IR TRANSMISSION		
		219	NO GPS/QPS RECEPTION	229	POOR GPS/QPS RECEPTION	237	ONE-SIDED CONNECTION		
		21A	NO RECEPTION OF DIGITAL BROADCASTING	22A	POOR RECEPTION OF DIGITAL BROADCASTING	238	MODEM HANGS UP IMMEDIATELY ONCE CONNECTED		
		21B	NO IR RECEPTION	22B	POOR IR RECEPTION				
		21C	NO DIAL TONE	22X	OTHER 'POOR RECEPTION' PROBLEM	239	MODEM DROPS LINE DURING CONNECTION		
		21D	NO MODEM/FAX CONNECTION						
		21E	MODEM NOT ANSWERING/NO CARRIER			23X	OTHER 'TRANSMISSION/CONNECTION' PROBLEM		
		21F	NO NETWORK CONNECTION/NETWORK INITIALIZATION FAILS						
		21X	OTHER 'NO RECEPTION' PROBLEM						
3	PICTURE	310	**NO PICTURE**	320	**PICTURE LEVEL PROBLEM**	330	**PICTURE QUALITY PROBLEM**	340	**PICTURE NOISE**
		311	NO PICTURE IN E TO E MODE	321	PICTURE TOO DARK	331	POOR PICTURE RESOLUTION	341	SNOWY PICTURE
		312	NO PICTURE IN PLAYBACK MODE	322	PICTURE TOO BRIGHT	332	POOR FOCUS	342	DOT NOISE OR DROPOUT ON PICTURE
		313	NO PICTURE IN VIEWFINDER	323	CONTRAST TOO LOW	333	RINGING ON PICTURE	343	NOISE BARS ON PICTURE
		314	NO PICTURE, ONLY RASTER	324	CONTRAST TOO HIGH	334	EXCESSIVE SMEAR/LAG	344	BLANKING LINES ON PICTURE
		315	NO RASTER, BLACK PICTURE	325	SATURATED WHITE OR BLACK LEVEL	335	POOR LINEARITY OR GEOMETRY	345	BEATING ON PICTURE
		316	ONLY HORIZONTAL LINE	326	SHADING ON PICTURE	336	PICTURE SIZE INCORRECT	346	GHOSTING ON PICTURE
		317	ONLY VERTICAL LINE	327	ONLY PARTIAL PICTURE	337	INCORRECT CENTRING OF PICTURE	347	VCR HEAD SWITCHING NOISE ON PICTURE
		318	NO PICTURE IN LCD	32X	OTHER 'PICTURE LEVEL' PROBLEM	338	PICTURE SLANTED	348	OVERMODULATION NOISE
		319	NO 2nd (OR HIGHER) MONITOR DISPLAY			339	V-SIZE INCORRECT	349	MOIRÉ
		31X	OTHER 'NO PICTURE' PROBLEM			33A	H-SIZE INCORRECT	34A	MOSAIC NOISE
						33X	OTHER 'PICTURE QUALITY' PROBLEM	34B	SCRAMBLED PICTURE
								34X	OTHER 'PICTURE NOISE' PROBLEM
4	COLOUR	410	**NO COLOUR**	420	**COLOUR LEVEL PROBLEM**	430	**POOR COLOUR QUALITY**	440	**NOISY COLOUR**
		411	NO COLOUR IN E TO E MODE	421	WEAK COLOUR	431	SOME OR ALL COLOURS MISSING	441	COLOUR NOISE ON A BLACK & WHITE PICTURE
		412	NO COLOUR IN PLAYBACK MODE	422	EXCESSIVE COLOUR	432	POOR WHITE BALANCE		
		413	NO COLOUR IN VIEWFINDER	42X	OTHER 'COLOUR LEVEL' PROBLEM	433	HUE PROBLEM	442	COLOUR STREAKING
		414	NO COLOUR IN PART OF PICTURE			434	PURITY ERROR	443	COLOUR BARS ON PICTURE
		41X	OTHER 'NO COLOUR' PROBLEM			435	LANDING ERROR/WHITE UNIFORMITY	44X	OTHER 'COLOUR NOISE' PROBLEM
						436	CONVERGENCE ERROR		
						437	REGISTRATION ERROR		
						438	PITCH MOIRÉ/RAINBOW PATTERN		
						439	COLOUR SHIFT		
						43X	OTHER 'COLOUR QUALITY' PROBLEM		
5	AUDIO	510	**NO AUDIO**	520	**AUDIO LEVEL PROBLEM**	530	**AUDIO QUALITY**	540	**NOISY AUDIO**
		511	NO SOUND IN E TO E MODE	521	LOW AUDIO LEVEL	531	POOR FREQUENCY RESPONSE	541	HUM
		512	NO PLAYBACK OF OUTGOING MESSAGE(S)	522	EXCESSIVE AUDIO LEVEL	532	DISTORTED AUDIO	542	HISS
		513	NO PLAYBACK OF INCOMING MESSAGE(S)	523	BALANCE PROBLEM	533	NO OR POOR TREBLE	543	CROSSTALK
		514	NO AUDIO PLAYBACK	524	FADER PROBLEM	534	NO OR POOR BASS	544	STATIC, POP OR CLICK NOISE
		515	NO SOUND FROM HANDSET	525	AUDIO LEVEL REMAINING/NO MUTING	535	EARPHONE/HEADPHONE AUDIO POOR	545	BUZZ
		516	NO SOUND FROM SPEAKER	52X	OTHER 'AUDIO LEVEL' PROBLEM	53X	OTHER 'AUDIO QUALITY' PROBLEM	546	SCRATCHING NOISE
		517	NO SOUND FROM EARPHONE/HEADPHONE					547	IGNITION NOISE
		518	NO MICROPHONE SOUND					548	WHISTLING/MULTIPATH NOISE
		519	NO SOUND FROM DIGITAL OUTPUT					549	DATA/DIGITAL NOISE
		51X	OTHER 'NO AUDIO' PROBLEM					54X	OTHER 'AUDIO NOISE' PROBLEM
6	MECHANISM	610	**NO MECHANICAL OPERATION**	620	**IRREGULAR MECHANICAL OPERATION**	630	**SPEED PROBLEM**	640	**MECHANICAL NOISE**
		611	NO ROTATION OF MOTOR/DISC	621	IRREGULAR ROTATION	631	SPEED TOO FAST	641	ROTATION NOISE/DRUM NOISE
		612	NO FORWARD OPERATION	622	IRREGULAR FORWARD MODE	632	SPEED TOO SLOW	642	MOTOR NOISE
		613	NO REVERSE OPERATION	623	IRREGULAR REVERSE OPERATION	633	SPEED UNADJUSTABLE	643	WIND/AIR NOISE
		614	NO FAST FORWARD OR REWIND FUNCTION	624	IRREGULAR FAST FORWARD OR REWIND FUNCTION	63X	OTHER 'SPEED' PROBLEM	644	SQUEALING
		615	NO LOADING					645	FAN NOISE
		616	NO UNLOADING OR EJECTING	625	IRREGULAR LOADING OF MEDIA			646	DISC SCRAPING
		617	NO AUTO SHUT-OFF OPERATION	626	IRREGULAR UNLOADING OR EJECTING			647	NOISY TAPE LOADING
		618	TONEARM DOES NOT MOVE	627	IRREGULAR AUTO SHUT-OFF OPERATION			648	GEAR NOISE
		619	DISC NOT BEING EJECTED	628	IRREGULAR TONEARM MOVEMENT			649	CONTROL OR SWITCH NOISY
		61A	MAGAZINE OR MODULE LOADING/UNLOADING	629	IRREGULAR EJECTION OF DISC			64A	GRINDING
		61B	CONTROL/SWITCH NOT WORKING	62A	IRREGULAR DIRECTION CHANGE			64B	RUMBLING
		61X	OTHER 'NO MECHANICAL OPERATION' PROBLEM	62B	FAULTY DISC CHANGE OPERATION			64C	VIBRATION NOISE
				62X	OTHER 'IRREGULAR MECHANICAL OPERATION' PROBLEM			64X	OTHER 'MECHANICAL NOISE' PROBLEM
7	DATA PROCESSING	710	**NO DATA PROCESSING OPERATION**	720	**FAULTY DATA PROCESSING OPERATION**	730	**DATA DISPLAY PROBLEM**	740	**KEYBOARD/POINTING DEVICE**
		711	NO INITIAL SCREEN	721	INCORRECT DATA	731	INCORRECT CHARACTER DISPLAY	741	MOUSE/TRACKBALL/TRACKPAD NOT WORKING
		712	SYSTEM DOES NOT RESET	722	SYSTEM RESET WHILE BEING USED	732	MISSING DISPLAY CHARACTERS		
		713	SYSTEM DOES NOT BOOT UP	723	SYSTEM LOCKS OUT/CRASHES/HANGS	733	FAULTY GRAPHIC DISPLAY	742	KEYBOARD LOCKS UP
		714	NO OPERATION FROM PLUG-IN MODULE/PERIPHERAL	724	FAULTY OPERATION OF PLUG-IN MODULE	734	FAULTY SWITCHING BETWEEN GRAPHIC/CHARACTER MODE	743	POINTING DEVICE LOCKS UP
				725	FAULTY KEYBOARD OPERATION			744	STICKY KEY(S)
		715	NO KEYBOARD OPERATION	726	FAULTY OPERATION OF OTHER INPUT/OUTPUT DEVICE	735	FAULTY PROMPT/CURSOR OPERATION	745	INOPERATIVE KEY(S)
		716	NO OPERATION FROM OTHER INPUT/OUTPUT DEVICE			736	DATA DISPLAY COLOUR INCORRECT	746	POINTING DEVICE NOT TRACKING PROPERLY
				727	FAULTY DATA STORAGE OPERATION	737	NO PAGING OR SCROLL MODE		
		717	NO DATA STORAGE OPERATION	728	FAULTY DATA COMMUNICATION	73X	OTHER 'DATA DISPLAY' PROBLEM	747	POINTING DEVICE JITTERY
		718	NO DATA COMMUNICATION	729	MEMORY ERROR			748	LEFT- OR RIGHT CLICK BUTTON INOPERATIONAL
		719	ERROR MESSAGE DISPLAY	72A	REQUIRES 'SET UP' AT BOOTING				
		71A	HDD BOOT FAILURE	72X	OTHER 'FAULTY DATA PROCESSING' PROBLEM			749	TRACKPAD SURFACE DAMAGED
		71B	FDD BOOT FAILURE					74A	KEYBOARD KEY(S) DAMAGED
		71X	OTHER 'NO DATA PROCESSING' PROBLEM					74X	OTHER KEYBOARD/POINTING DEVICE PROBLEM
8	PRINT/COPY/SCAN	810	**NO PRINT/COPY/SCAN OPERATION**	820	**ERRONEOUS PRINT/COPY/SCAN OPERATION**	830	**POOR PRINT QUALITY**	840	**NOISY PRINTING**
		811	NOT PRINTING	821	PRINT IMAGE REVERSED (NEGATIVE/POSITIVE)	831	INCORRECT PRINTING POSITION	841	PRINTING NOISE LINES
		812	NO COMMUNICATION WITH PRINTER	822	IRREGULAR PAPER FEED	832	LOW PRINT CONTRAST	842	DIRTY PRINTING
		813	PAPER NOT LOADING	823	ERRONEOUS PRINT MODE SWITCHING	833	EXCESSIVE PRINT CONTRAST	843	UNPLEASANT SMELL (OZONE)
		814	NO PAPER FEED	824	COPY TOO DARK	834	BLURRED PRINT IMAGE	844	BLACK LINES/STRIPES IN FEED DIRECTION
		815	NO IMAGE FIXATION	825	COPY TOO BRIGHT	835	PRINT IMAGE NOT SHARP	845	WHITE LINES/STRIPES IN FEED DIRECTION
		816	NO DOCUMENT FEEDING	826	BLACK COPY	836	DOTS MISSING IN PRINT IMAGE	846	BLACK LINES/STRIPES ACROSS FEED DIRECTION
		817	SCANNER NOT WORKING	827	WHITE COPY	837	COLOUR STREAKING		
		81X	OTHER 'NO PRINT/COPY/SCAN OPERATION PROBLEM'	828	POOR COLOUR LEVELS	838	NO COLOUR IN PART OF PICTURE	847	WHITE LINES/STRIPES ACROSS FEED DIRECTION
				829	IRREGULAR DOCUMENT FEED	839	PRINT IMAGE/COPY INCOMPLETE		
				82A	FAULTY CORRECTION FUNCTION	83A	FAULTY CALIBRATION	84X	OTHER 'NOISY PRINTING' PROBLEM
				82B	POOR SCANNING QUALITY	83X	OTHER 'PRINT QUALITY' PROBLEM		
				82X	OTHER 'PRINT/COPY/SCAN OPERATION' PROBLEM				

		5	UNSTABLE	6	RECORDING & PHYSICAL PROBLEMS	7	SPECIAL FUNCTIONS	8	OTHER CONDITIONS
1	GENERAL	150	**REMOTE CONTROL PROBLEM**	160	**PHYSICAL DAMAGE**	170	**GENERAL FUNCTION PROBLEM**	180	**SPECIAL REQUIREMENTS**
		151	NO REMOTE CONTROL OPERATION	161	DAMAGED/DEFORMED CABINET/PANEL	171	FAULTY CLOCK FUNCTION	181	TEST AND CHECK
		152	INCORRECT REMOTE CONTROL OPERATION	162	DAMAGED HANDLE/CLIP	172	FAULTY SLEEP FUNCTION	182	GENERAL OVERHAUL
		153	REMOTE CONTROL PROGRAMMING/ LEARNING MODE PROBLEM	163	DAMAGED CONTROL KNOB(S)/BUTTON(S)/KEYPAD	173	FAULTY TIMER PROGRAMMING	183	SYSTEM/FREQUENCY CONVERSION
				164	DAMAGED DOOR/COVER	174	FAULTY TIMER OPERATION	184	INITIAL SETUP/INSTALLATION REQUESTED
		154	POOR REMOTE CONTROL SENSITIVITY	165	DAMAGED SEAL	175	PROGRAMMING/USER ADJUSTMENT PROBLEM	185	MODIFICATION/CIRCUIT/INSTALLATION CHANGE
		15X	OTHER 'REMOTE CONTROL' PROBLEM	166	DAMAGED PLUG/SOCKET/TERMINAL/CONNECTOR	176	FAULTY RECORD MUTE OPERATION		
				167	DAMAGED LENS	177	FAULTY PROGRAMMED PLAYBACK OPERATION	186	WRONG PRODUCT IN CARTON
				168	DAMAGED CARTRIDGE OR STYLUS	178	FAULTY MEMORY FUNCTION	187	ACCESSORY MISSING
				169	DAMAGED ANTENNA	179	FAULTY INPUT SWITCHING	188	UNABLE TO CONNECT PARTS/-TO ASSEMBLE
				16A	DAMAGED CRT OR VIEWFINDER/LCD DISPLAY	17A	FAULTY OUTPUT SWITCHING		
				16B	MISSING COMPONENT(S) OR ORNAMENTAL PARTS	17B	ELECTRIC SHOCK/STATIC DISCHARGE	189	WRONG COLOUR
				16C	PAINTING/MARKINGS ERASED/PEELED OFF	17C	FAULTY SEARCH FUNCTION (INDEX/VIEW/TITLE/CHAPTER/TRACK...)	18B	BATTERY MOUNTING PROBLEM
				16D	SET BURNING/EMITS SMOKE			18X	OTHER SPECIAL REQUIREMENTS
				16E	EXTERNAL SURFACE DAMAGE (BUBBLING/PEELING/RUSTING/SCRATCHED)	17D	WRONG LANGUAGE/CHARACTER SET	18Z	SYMPTOM NOT AVAILABLE
				16F	SMELL	17E	ERROR CODE APPEARS IN DISPLAY		
				16G	WEAK/DAMAGED STAND	17F	SWITCH NOT OPERATING		
				16H	DAMAGED SPEAKER	17G	PEDAL NOT OPERATING		
				16J	SET GETS VERY HOT / PARTS MELTING	17H	FAULTY STANDBY MODE		
				16K	FOREIGN SUBSTANCE ON/IN UNIT	17J	FAULTY HIBERNATION MODE		
				16L	BURNING MARKS	17K	NO AUDIBLE WARNING SIGNAL		
				16M	INTERNAL SURFACE DAMAGE (BUBBLING/PEELING/RUSTING/SCRATCHED)	17L	FAULTY OPERATION OF PARENTAL LOCK/KEYLOCK FUNCTION		
				16N	DAMAGED POWER CABLE	17M	FAULTY MODE SWITCHING		
				16P	DAMAGED ACCESSORY	17N	MENU FUNCTION PROBLEM		
				16R	DISCOLOURATION	17X	OTHER 'GENERAL FUNCTION' PROBLEM		
				16X	OTHER PHYSICAL DAMAGE				
2	COMMUNICATION	250	**UNSTABLE RECEPTION/TRANSMISSION**	260	**TUNING PROBLEM**	270	**SPECIAL COMMUNICATION PROBLEM**	280	**SPECIAL RECEPTION PROBLEM**
		251	TUNING DRIFT	261	MANUAL TUNING PROBLEM	271	FAULTY DIALLING	281	FAULTY STEREO RECEPTION
		252	FADING	262	AUTOMATIC TUNING PROBLEM	272	FAULTY CHANNEL SELECTION	282	FAULTY MAIN CHANNEL (A) FUNCTION
		253	INTERMITTENT LINE/LINE BREAKING OFF	263	INCORRECT TUNING	273	FAULTY AUTO-ANSWER OPERATION	283	FAULTY SUB-CHANNEL (B) FUNCTION
		254	NO OR UNSTABLE CONNECTION COMBINED WITH 'WEAK SIGNAL STRENGTH' INDICATION	264	TUNING MEMORY PROBLEM	274	FAULTY MESSAGE READ-OUT FUNCTION	284	FAULTY SSB RECEPTION
				26X	OTHER 'TUNING' PROBLEM	275	FAULTY AUTODIAL/REDIAL MEMORY	285	FAULTY RDS/VPS/PDC/XDS OPERATION
		25X	OTHER 'UNSTABLE RECEPTION/ TRANSMISSION' PROBLEM			276	FAULTY SPEECH PROCESSING	286	FAULTY TELETEXT/CLOSE CAPTION/EPG RECEPTION
						277	NO RINGING TONE		
						278	LOUD/WEAK RINGING TONE	287	FAULTY SATELLITE/RTTY RECEPTION
						279	MODEM STUCK OFF HOOK	288	FAULTY FAX OPERATION
						27A	FAX DOES NOT WORK PROPERLY	289	MODEM NOT RECOGNIZED BY SYSTEM
						27B	MODEM CAUSES PROBLEM WITH PHONE	28A	FAULTY CALL CHARGE DISPLAY
						27C	NO MODEM DIAL TONE	28B	FAULTY HANDS-FREE OPERATION
						27X	OTHER 'SPECIAL COMMUNICATION' PROBLEM	28C	SET LOCKED
								28X	OTHER 'SPECIAL RECEPTION' PROBLEM
3	PICTURE	350	**UNSTABLE PICTURE**	360	**POOR PICTURE RECORDING**	370	**SPECIAL PICTURE FUNCTION PROBLEM**	380	**PICTURE DISPLAY/PICKUP PROBLEM**
		351	SYNC PROBLEM	361	NO PICTURE RECORDING	371	EDITING PROBLEM	381	BURN MARK ON DISPLAY/PICKUP
		352	PICTURE PUMPING	362	NO ERASURE PROTECTION FOR VIDEO	372	FAULTY FADING/WIPER OPERATION	382	SCRATCH ON DISPLAY/PICKUP
		353	PICTURE JITTER	363	PREVIOUS VIDEO RECORDING NOT BEING ERASED	373	FAULTY NEGATIVE/POSITIVE SWITCHING FUNCTION	383	DUST/DIRT ON DISPLAY/PICKUP
		354	PICTURE SHAKING (HORIZONTAL OR VERTICAL)	364	UNWANTED ERASURE OF PICTURE	374	FAULTY SUPERIMPOSE/TELOP OPERATION	384	PHOSPHOR/PIXEL MISSING ON DISPLAY/PICKUP
				365	NO CAMERA RECORDING	375	FAULTY PICTURE IN PICTURE/DIGITAL PICTURE OPERATION		
		355	FLICKERING PICTURE	366	ONLY ONE FIELD PER FRAME BEING RECORDED	376	FAULTY PICTURE TRANSMISSION	385	BRIGHT POINT(S) IN PHOSPHOR/PIXEL
		356	FLASHING PICTURE	367	RECORDS ONLY A FEW PICTURES	377	FAULTY DIGITAL SHUTTER FUNCTION	386	LINES ACROSS/DOWN IMAGE
		357	CYCLIC PICTURE MUTING	36X	OTHER 'PICTURE RECORDING' PROBLEM	378	FAULTY GENLOCK FUNCTION	387	OUT OF SPECS PIXEL DEFAULTS
		358	HEAD IMPACT ERROR CAUSING UNSTABLE PICTURE			379	FAULTY FLASH/STROBE FUNCTION	388	BACKGROUND BURNT IN
						37A	FAULTY DIGITAL PICTURE/ZOOMING FUNCTION	38X	OTHER 'PICTURE DISPLAY/PICKUP' PROBLEM
		359	VCR SKEW/H-SHIFT ERROR			37B	FAULTY AUTO-EDIT FUNCTION		
		35A	FROZEN PICTURE			37C	FAULTY PICTURE STABILIZER FUNCTION		
		35B	JUMPING/REPEATING PICTURE			37D	FAULTY PICTURE CAPTURE FUNCTION		
		35X	OTHER 'UNSTABLE PICTURE' PROBLEM			37E	FAULTY SUBTITLING FUNCTION		
						37F	FAULTY VARIABLE SPEED PLAYBACK		
						37G	FAULTY VIEW-/MULTI-ANGLE SWITCHING		
						37H	FAULTY ASPECT RATIO SWITCHING		
						37J	THUMBNAIL- OR INDEX PICTURE PROBLEM		
						37K	NO BLANKING SCREEN		
						37X	OTHER 'SPECIAL PICTURE FUNCTION' PROBLEM		
4	COLOUR	450	**UNSTABLE COLOUR**	460	**POOR COLOUR RECORDING**	470	**SPECIAL COLOUR FUNCTION PROBLEM**	480	
		451	COLOUR FLASHING	461	NO COLOUR RECORDING	471	FAULTY AUTOMATIC WHITE BALANCE		
		452	HUE CONSTANTLY CHANGING	462	NOISY COLOUR RECORDING	472	FAULTY COLOUR EFFECTS FUNCTION		
		453	FLICKERING COLOUR	46X	OTHER 'COLOUR RECORDING' PROBLEM	47X	OTHER 'SPECIAL COLOUR FUNCTION' PROBLEM		
		454	COLOUR NOT LOCKED						
		45X	OTHER 'UNSTABLE COLOUR' PROBLEM						
5	AUDIO	550	**UNSTABLE AUDIO**	560	**POOR AUDIO RECORDING**	570	**POOR SPECIAL AUDIO FUNCTION**	580	**STEREO/MULTI MODE OPERATION PROBLEM**
		551	JUMPING OR REPEATING AUDIO	561	AUDIO NOT BEING RECORDED	571	FAULTY FADE OPERATION	581	NO STEREO OPERATION
		552	AUDIO PUMPING OR BREATHING	562	NO ERASURE PROTECTION FOR AUDIO	572	FAULTY ECHO OPERATION	582	POOR CHANNEL SEPARATION
		553	AUDIO DROPOUTS	563	PREVIOUS AUDIO RECORDING NOT BEING ERASED	573	FAULTY MIXING OPERATION	583	DIFFERENCE IN PHASE BETWEEN CHANNELS
		554	CYCLIC AUDIO MUTING	564	UNWANTED ERASURE OF AUDIO	574	FAULTY REPEAT MODE OPERATION		
		555	WOW AND FLUTTER	565	MESSAGE NOT BEING RECORDED	575	FAULTY AUDIO PROCESSING	584	PROBLEM WITH SURROUND SOUND MODE
		556	HOWLING/ACOUSTIC FEEDBACK	566	DISTORTED AUDIO RECORDING	576	FAULTY SYNC RECORDING OPERATION	585	PROBLEM WITH PCM AUDIO MODE
		557	ECHO IN SOUND	56X	OTHER 'AUDIO RECORDING' PROBLEM	577	FAULTY DBB/DOL OPERATION	58X	OTHER 'STEREO/MULTI MODE' PROBLEM
		55X	OTHER 'UNSTABLE AUDIO' PROBLEM			578	FAULTY NOISE REDUCTION OPERATION		
						579	FAULTY AUDIO DUB FUNCTION		
						57A	FAULTY TITLE PROGRAMMING		
						57B	FAULTY MIC CONTROL		
						57C	FAULTY PITCH CONTROL		
						57X	OTHER 'SPECIAL AUDIO FUNCTION' PROBLEM		
6	MECHANISM	650	**MECHANICAL INSTABILITY**	660	**DAMAGE TO MEDIA**	670	**MECHANICAL OPERATION PROBLEM**	680	**LENS PROBLEM**
		651	UNEVEN FEET	661	TAPE GETS SCRATCHED	671	FAULTY START/STOP OPERATION	681	FOCUS PROBLEM
		652	FAULTY HINGE	662	DISC GETS SCRATCHED	672	FAULTY PAUSE OPERATION	682	ZOOM PROBLEM
		653	VIBRATING/JUMPING	663	TAPE GETS CHEWED/WRINKLED	673	FAULTY AUTOMATIC PROGRAM SEARCH	683	IRIS PROBLEM
		654	PARTS LOOSE	664	TAPE JAMMED OR BROKEN	674	FAULTY CUE/REVIEW MODE	684	MACRO PROBLEM
		655	DAMAGED WHEEL(S)	665	TAPE GETS CURLED	675	FAULTY SLOW MOTION OPERATION	68X	OTHER 'LENS' PROBLEM
		65X	OTHER 'MECHANICAL INSTABILITY' PROBLEM	666	SLACK TAPE	676	FAULTY HIGH-SPEED SCANNING MODE		
				667	TAPE STICKING	677	FAULTY SPEED COPY FUNCTION		
				66X	OTHER 'SOFTWARE DAMAGE' PROBLEM	678	FAULTY REPEAT OPERATION		
						679	FAULTY RECORD REVIEW MODE		
						67A	FAULTY AMS OPERATION		
						67B	AUTO-REVERSE MALFUNCTION		
						67C	FAULTY END DETECTION		
						67D	FAULTY DISC SIDE (A-B SELECT) SWITCHING		
						67X	OTHER 'MECHANICAL OPERATION' PROBLEM		
7	DATA PROCESSING	750	**PERIPHERAL PROBLEM (NON-STORAGE)**	760	**DATA STORAGE PROBLEM**	770	**SPECIAL DATA PROCESSING FUNCTION PROBLEM**	780	**INTERFACE PROBLEM**
		751	PERIPHERAL DOES NOT INITIALISE	761	FORMATTING PROBLEM	771	FAULTY SELF-DIAGNOSTIC MODE	781	USB INTERFACE PROBLEM
		752	COMMUNICATION FAILURE WITH PERIPHERAL	762	DATA ON STORAGE MEDIUM BEING LOST	772	FAULTY WORD PROCESSING FUNCTION	782	PARALLEL INTERFACE PROBLEM
		753	INTERNAL PERIPHERALS FAILURE	763	FRAME MEMORY PROBLEM	773

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



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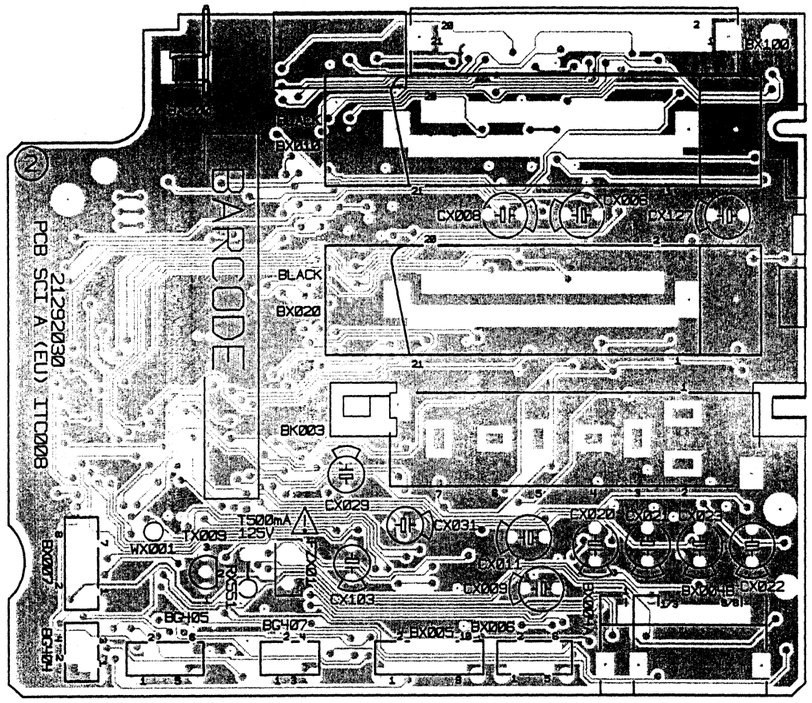
SCART INTERFACE - INTERFACE PERITELEVISION - SCART INTERFACE - PRESA PERITEL- EUROCONECTOR

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES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BX006
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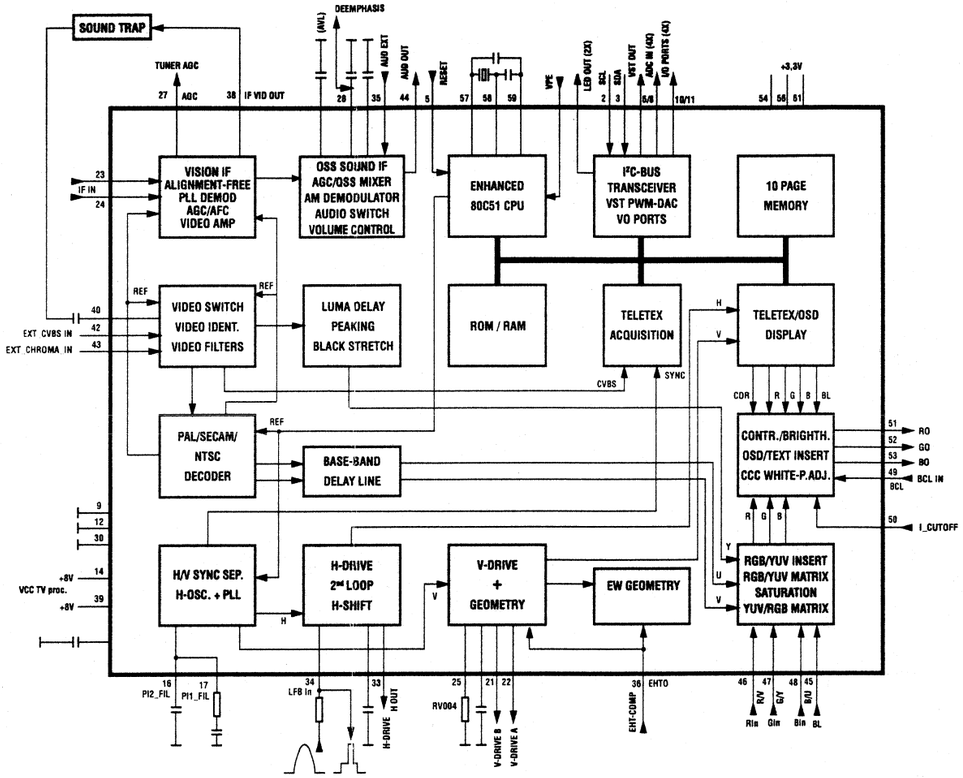
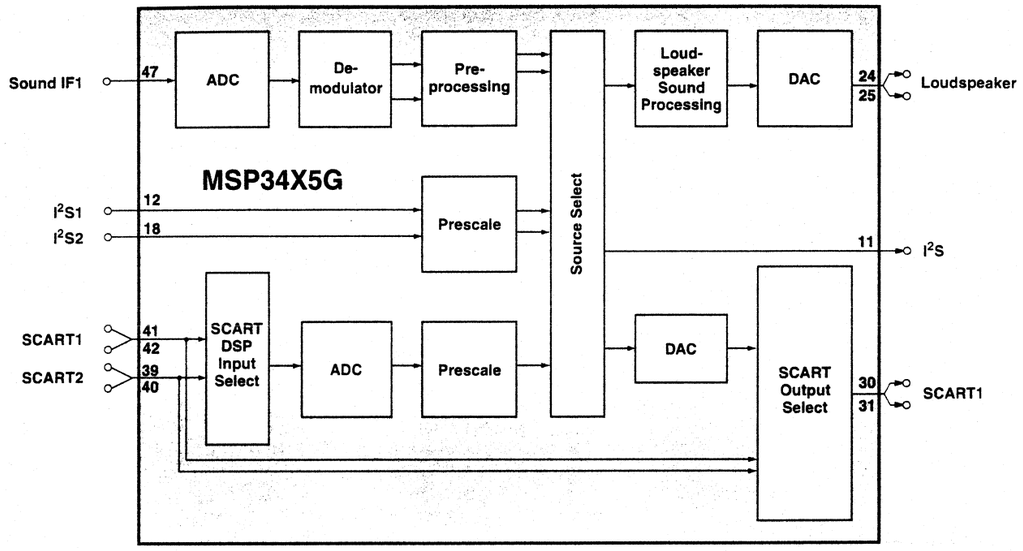
INTEGRATED CIRCUITS BLOCK DIAGRAMS - SYNOPTIQUES INTERNES DES CIRCUITS INTEGRES - INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBILDER - SCHEMA A BLOCCHI DEL CIRCUITI INTEGRATI - VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS

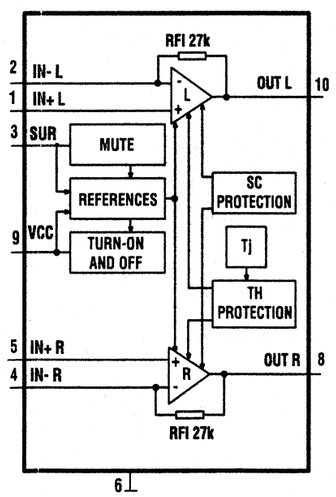
MICROPROCESSOR - TDA9554



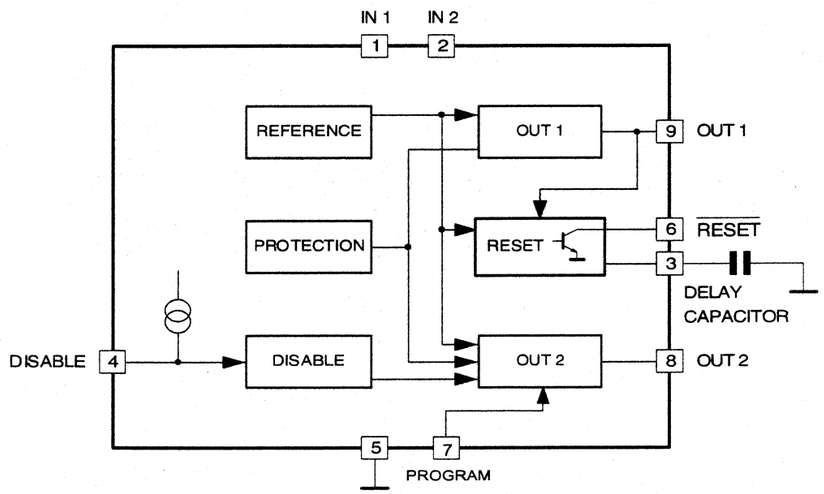
MSP3415G - SOUND PROCESSOR



AUDIO POWER AMPLIFIER - TDA7253 - TDA7263



STV8130 - 3.3V AND ADJUSTABLE VOLTAGE REGULATOR



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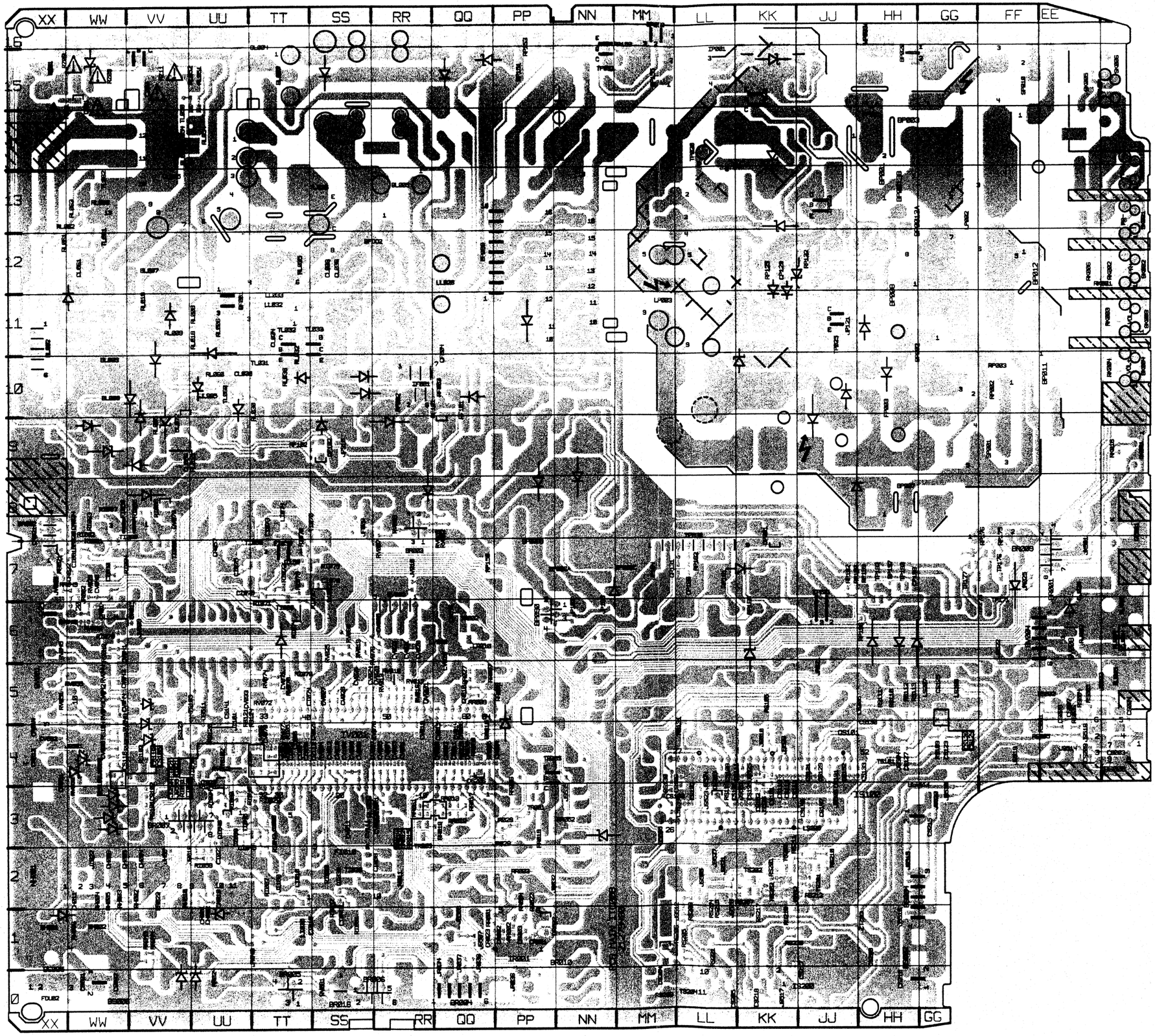
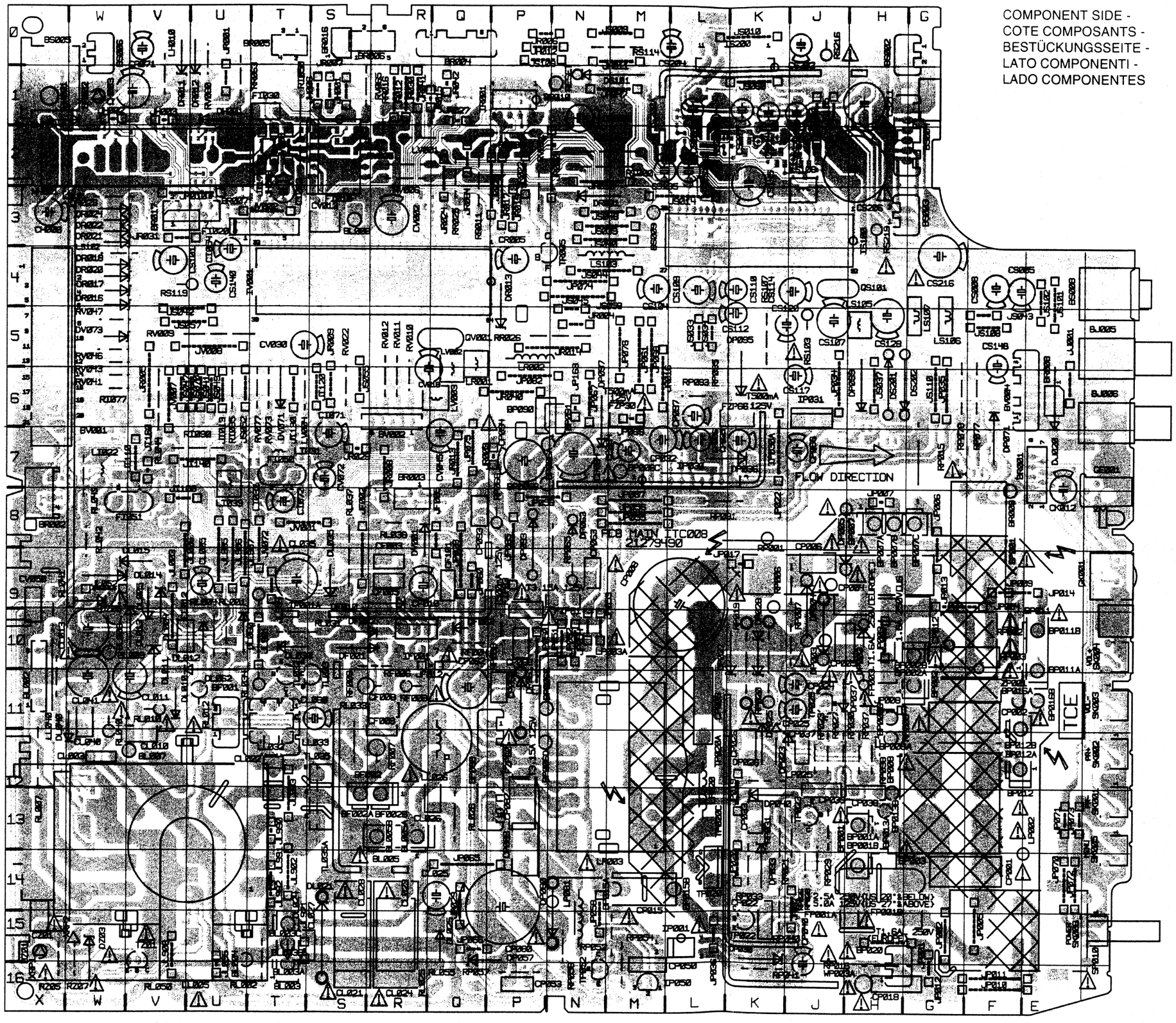
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL



SOLDER SIDE -
CÔTE SOUDURES -
LÖTSEITE -
LATO SALDATURE -
LADO SOLDADURAS

MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL



COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

1	2	3

BF001	*	UU11
BF002A		S13
BF002B		R13
BH001	*	XX1
BH002		W1
BH002	*	WW1
BJ005		D5
BJ005	*	DD5
BJ006		D6
BJ006	*	DD6
BL001		U11
BL002		S12
BL002	*	XX11
BL002	*	SS12
BL003		T16
BL003	*	TT15
BL003A		T16
BL003B		T15
BL003C		T15
BL004		U15
BL004	*	TT15
BL005		R14
BL005	*	RR13
BL005A		R13
BL005B		R13
BL006		S3
BL006	*	SS3
BL007		V12
BL007	*	VV12
BL008		W10
BL008	*	WW10
BL009		W10
BL009	*	WW10
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BP001	*	HH13
BP0013A	*	HH13
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BP001A		H13
BP001B		H13
BP002		G11
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BP002A		G10
BP002B		G10
BP003		G14
BP003	*	HH14
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BP006A	*	PP7
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BP006B	*	PP7
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BP006C	*	MM7
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CI054		U4
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CI074	*	TT5
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CI076	*	UU7
CI080	*	WW7
CI081	*	WW7
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CJ020	*	EE7
CK012		E8
CL005		U9
CL006	*	VV9
CL010		V12
CL011		V11
CL012		V10
CL021		S16
CL022		U12
CL023		R14
CL024		R16
CL025		Q14
CL026		R13
CL027		S15
CL030	*	UU10
CL033	*	SS12
CL034	*	TT11
CL035		T8
CL036	*	SS12
CL040		W12
CL041		W11
CL054	*	VV14
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CP032		M7
CP033		K13
CP034		N7
CP035		L7
CP036		L7
CP037		J12
CP038		H13
CP039		J13
CP040		J15
CP050		L16
CP053		P16
CP060		P11
CP062		Q10
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CP064		N7
CP066		J7
CP068		P10
CP080		P15
CP082		P13
CP088		P13
CP093		Q9
CP094		P7
CP097		L6
CP123	*	KK12
CP131	*	MM7
CP166	*	LL7
CP198	*	HH7
CR001	*	PP1
CR002	*	PP1
CR003	*	PP1
CR004	*	PP4
CR005		P3
CR006	*	QQ4
CR007	*	QQ4
CR008	*	QQ4
CR009		N1
CR010	*	QQ5
CR012	*	RR3
CR013	*	XX4
CR014	*	XX4
CR022	*	WW7
CR023	*	QQ1
CR024	*	WW8
CR033	*	QQ4
CR057	*	UU7
CR071		V0
CR074	*	SS7
CS001	*	WW0
CS002	*	WW0
CS003	*	DD4
CS004	*	DD5
CS005		F4
CS006	*	EE5
CS007	*	EE5
CS008		F4
CS101		U4
CS102	*	VV3
CS104		M4
CS105	*	VV4
CS106	*	LL4
CS107		J5
CS108	*	LL4
CS109		L4
CS110		K4
CS111	*	LL4
CS112		K5
CS113	*	KK3
CS114		K4
CS115	*	KK3
CS116	*	WW4
CS117		J6
CS118	*	VV4
CS119	*	KK3
CS120		K5
CS121	*	JJ4
CS123	*	GG4
CS124	*	GG4
CS125	*	GG5
CS126	*	GG4
CS127	*	HH4
CS128		H5
CS129	*	JJ4
CS130	*	MM3
CS130	*	HH4
CS131	*	JJ4
CS132	*	JJ4
CS133	*	HH4
CS134	*	LL3
CS135		M2
CS136		L2
CS137	*	LL3
CS138	*	LL3
CS139	*	KK3
CS140		U4
CS141	*	UU5
CS146	*	JJ3
CS147	*	JJ3
CS148		F5
CS151	*	KK3
CS152	*	KK3
CS201		J2
CS202		J0
CS203		L2
CS204		M0
CS205	*	LL0
CS206		H3
CS207		K2
CS208	*	HH1
CS209	*	EE4
CS210	*	HH0
CS211		H1
CS212	*	HH1
CS214		K2
CS215	*	GG3
CS216		G4
CS217	*	JJ0
CS415		K3
CV001	*	RR4
CV002		R3
CV003	*	RR4
CV004	*	RR4
CV005	*	RR4
CV006	*	RR3
CV007	*	SS4
CV008	*	SS4
CV009	*	SS4
CV010	*	SS4
CV011	*	SS3
CV012	*	SS4
CV013		S3
CV014	*	QQ4
CV015	*	QQ4
CV018		R6
CV019	*	RR4
CV020	*	RR6
CV021	*	RR6
CV022	*	RR6
CV023	*	RR5
CV024	*	SS5
CV025	*	SS5
CV026	*	SS5
CV027	*	SS5
CV029	*	SS4
CV030		T5
CV033	*	UU5
CV035	*	RR6
CV036	*	WW4
CV040	*	WW7
CV041	*	WW6
CV042	*	WW5
CV043	*	WW5
CV044	*	WW5
CV045		Q7
CV046	*	QQ6
CV051	*	XX4
CV052	*	XX4
CV070	*	TT4
CV071	*	TT5
CV072		S7
CV076	*	SS4
CV108	*	SS4
CV111	*	SS3
CV113	*	SS4
CZ03	*	VV15

DF001		S10
DF002		S10
DF003		Q10
DF010		S8
DF101	*	RR10
DF102	*	SS9
DH001		U1
DH002	*	UU1
DI030	*	SS2
DI040	*	UU3
DJ020		E7
DL004		V10
DL004	*	QQ11
DL005		V9
DL010		V11
DL011		V10
DL012		V10
DL013		V10
DL014		V9
DL015		W9
DL021		S14
DL024		T14
DL025		Q15
DL030		T10
DL035		S8
DL060		U10
DL062		U11
DL072	*	VV9
DP001	*	KK7
DP002		H10
DP003		J10
DP004		J9
DP005		J8
DP023		K12
DP025		K11
DP026		K12
DP027		L10
DP028		K10
DP030		K15
DP033		K14
DP036		K7
DP037		H11
DP040		K13
DP057		P15
DP061		P11
DP063		N8
DP071		F6
DP080		P14
DP093		P8
DP095		K5
DP097		N6
DP099		H6
DR001		N3
DR002	*	PP1
DR011		V1
DR011	*	QQ4
DR012		U1
DR013		P4
DR014	*	WW6
DR015	*	WW6
DR016		W4
DR017		W4
DR018		W4
DR020		W4
DR021		W3
DR021	*	XX8
DR022		W3
DR023		W3
DR024		W3
DS003	*	HH3
DS101		N1
DS201		H6
DS202		G6
DS203	*	LL4
DS204	*	MM0
DS206	*	QQ4
DV001		R8
DV070	*	VV8
DV071		T6
DV073		W5
DZ01	*	WW15
DZ03		W15
DZ05		W9

FDU02	*	XX0
FI010		S3
FI010	*	SS2
FI020	*	TT3
FI030		T1
FI050		T7
FI050	*	WW8
FI050	*	TT7
FI051		W8

FI0520		U3
FP001	*	HH14
FP001A		J15
FP001B		H14
FP003		H11
FP003	*	HH10
FZP30		M6
FZP60		P12
FZP61		N10
FZP66		K6
FZP93		P9

GE001		D7
GK001		E9
GR082	*	WW7

IF001		R10
IF001	*	RR10
IP001		L15
IP001	*	LL15
IP030		L7
IP030	*	LL8
IP030A		K7
IP031		J6
IP031	*	JJ7
IP050		L16
IP050	*	MM16
IR001		Q1
IR001	*	PP1
IS100		H3
IS100	*	HH3
IS200		K0
IS200	*	JJ0
IS200A		M1
IV001		U4
IV001	*	SS4

JE001	*	DD8
JF002		S8
JF005		Q8
JF009	*	SS8
JF012		R11
JF910	*	SS9
JH001		S1
JH002		W1
JH003		V1
JH004	*	VV2
JH006		S1
JH009		T2
JH010		V3
JH011		N0
JI013		U6
JI0180	*	TT2
JI100		V8
JI101	*	UU5
JI110		V7
JI120		S6
JI130		T6
JI140		U7
JI150	*	TT7
JI160		V7
JI170		T2
JI922	*	WW2
JI923	*	UU4
JI950	*	TT3
JJ01		E5
JK001	*	DD9
JK501	*	EE7
JL003		V9
JL006		U9
JL052		W9
JL055		U15
JL901		T10
JL902		T14
JL903		T13
JL905		U9
JL906		U9
JL907		U9
JL908		V15
JL921		T15
JL990		T13
JL991		T14
JL992		T14
JL994		T9
JL995	*	UU10
JP001		G15
JP002		G15
JP003		H10
JP004		F9
JP005		F15
JP006		G8
JP007		H8
JP008		H11
JP009		F9
JP010		F16
JP011		F16
JP012		G16
JP013		G9
JP014		E9
JP017		L9
JP019		K13
JP020		K14
JP022		K8
JP028		Q9
JP029		Q14
JP032		J14
JP034		J6
JP035		G6
JP036		L16
JP050		P10
JP051		N10
JP052		N10
JP053		N10
JP054		N10
JP055		M8
JP056		M8
JP057		M8
JP058		N14
JP059		P8
JP060		Q9
JP061		M5
JP065		Q14
JP066		Q15
JP067		N6
JP068		M5
JP069		M7
JP070		E14
JP071		E13
JP072		E14
JP073		E13
JP074		N4
JP075		Q7
JP076		M5
JP082		P6
JP085		P8
JP121	*	JJ11
JP162	*	NN6
JP163		N6
JP164	*	MM7
JP185	*	NN6
JR001		U0
JR003		Q7
JR004		N5
JR005		V6
JR006		P0
JR007		S0
JR008		R7
JR009		S5
JR010	*	VV2
JR012		R1
JR012		P0
JR013		Q7
JR014		N5
JR015		Q1
JR016		M6
JR017		P3
JR018		N2
JR019		P3
JR020		N2
JR021	*	JJ5
JR022		P2
JR023		P2
JR024		Q3
JR025	*	FF7
JR026	*	PP3
JR027		Q1
JR028	*	PP3
JR029		S7
JR030		R1
JR031		V3
JR032	*	PP2
JR034	*	QQ1
JR036	*	PP0
JR037	*	QQ1
JR038	*	QQ1
JR040		P6
JR041		R1
JR042		Q1
JR047		N1
JR048	*	TT1
JR084		Q3
JR090	*	TT4
JS009		N0
JS010		K0
JS014		L3
JS033		L5
JS034		L5
JS037		H6
JS039		N3
JS040		N3
JS041		U6
JS042		V5
JS043		F5
JS044		N4
JS045		N4
JS047		V6
JS048		N3
JS049		U6
JS052		U6
JS055		S6
JS057		V5
JS058		N4
JS060		K1
JS070		U6
JS101		E4
JS102		E4
JS103		J1
JS105		J1
JS108		F5
JS109		P0
JS110		G6
JS501	*	WW4
JS502	*	WW4
JS503	*	EE5
JS504	*	HH4
JS505	*	LL2
JS506	*	JJ3
JS507	*	QQ1
JS508	*	QQ1
JS509	*	KK4
JS510	*	KK4
JS511	*	UU5
JS512	*	MM1
JS514	*	EE4
JS515	*	HH2
JS516	*	HH1
JS517	*	KK0
JS518	*	EE4
JS519	*	FF4
JS520	*	GG3
JS521	*	LL2
JS522	*	FF6
JS523	*	LL3
JS524	*	LL4
JS525	*	KK4
JS526	*	KK3
JS527	*	LL2
JS528	*	LL1
JS530	*	GG3
JS531	*	KK3
JS532	*	KK2
JS533	*	VV3
JS534	*	VV3
JS535	*	NN3
JV001		T8
JV002		T3
JV003	*	XX6
JV004		T2
JV005	*	XX7
JV006	*	TT4
JV007		V6
JV008		U5
JV009	*	VV6
JV010	*	RR7
JV011	*	RR2
JV072		T8

LH010		V0
LI010	*	TT2
LI022		W7
LI030	*	TT1
LI031		T7
LI032		T8
LI033		U8
LI074	*	TT8
LL005		U16
LL026		Q12
LL026	*	QQ12
LL032		T12
LL032	*	TT11
LL033		T12
LL033		S12
LL033	*	TT11
LL05	*	VV13
LP002		F13
LP002	*	GG13
LP003		N14
LP003	*	MM11
LP003A		N10
LP020		L13
LP025		J12
LP081		N14
LR001		Q6
LR002		P5
LR010	*	QQ6
LS101		W3
LS102		W4
LS103		N4
LS105		H4
LS106		G5
LS107		G5
LS108		J2
LS205	*	HH5
LS206	*	GG5
LS207	*	GG5
LS208	*	JJ3
LV001		R2
LV002		Q5
LV003		Q6
LV004		T6
LV020	*	QQ6
LV030	*	QQ6
NH001	*	XX2

QS101		H4
QS101	*	JJ4
QV001		Q5
QV001	*	RR5

RB008	*	RR8
RD114		M0
RF002	*	RR10
RF004		Q10
RF006		R11
RF007		R12
RF008		R11
RF009		S11
RF101	*	QQ10
RF102	*	TT9
RH002	*	VV2
RH003	*	WW2
RH004	*	WW2
RH005	*	WW2
RH006	*	WW1
RH010	*	VV2
RI004	*	UU3
RI007	*	TT2
RI021	*	VV4
RI031	*	SS1
RI032	*	SS1
RI033	*	SS2
RI040	*	UU3
RI041	*	UU3
RI042	*	TT3
RI050		T1
RI051	*	TT4
RI059	*	UU2
RI060	*	UU3
RI061	*	VV3
RI070	*	TT5
RI071	*	TT6
RI072	*	TT7
RI073	*	TT7
RI074	*	TT6
RI075	*	SS7
RI076	*	WW6
RI077		W6
RI078	*	TT8
RI079	*	SS7
RI080		M2
RI081	*	WW8
RI082	*	WW8
RI083	*	WW8
RI084	*	WW7
RI085	*	VV8
RI086	*	VV8
RI087	*	WW8
RI087	*	WW8
RI095		U6
RJ002	*	EE6
RJ004	*	DD6
RK001	*	DD12
RK002	*	DD12
RK003	*	DD11
RK004	*	DD10
RK005	*	EE15
RK006	*	EE12
RK016	*	DD9
RL001		U9
RL002		U16
RL003	*	VV14
RL003	*	QQ10
RL004		U9
RL005	*	VV9
RL006	*	UU11
RL008	*	UU11
RL009	*	VV11
RL010		V11
RL012		U11
RL013	*	VV14
RL015	*	UU9
RL018	*	UU11
RL019	*	VV11
RL025		R16
RL026		Q13
RL030	*	UU10
RL031		S10
RL032	*	TT10
RL033		S11
RL034		U11
RL035	*	TT12
RL036	*	TT10
RL037		S8
RL038		R8
RL040		W11
RL042		W8
RL043		W8
RL044		V7
RL050		V16
RL051	*	UU15
RL052	*	UU15
RL055		Q16
RL060	*	UU10
RL061	*	XX12
RL062	*	XX13
RL063	*	WW13
RL068	*	WW13
RL54	*	UU14
RP001		K8
RP002		F10
RP002	*	FF10
RP003		F10
RP003	*	FF10
RP006		K9
RP007		J9
RP009		H11
RP015		G7
RP016		J16
RP019		K10
RP020		K11
RP021		K14
RP023		J11
RP026		J14
RP027		J11
RP028		J14
RP029		J14
RP030		H11
RP031		K13
RP033		K14
RP037		H11
RP038		H12
RP040		K15
RP041		K16
RP052		N15
RP054		M15
RP056		N16
RP057		Q16
RP065		N8
RP066		P7
RP068		P10
RP077		F6
RP078		G7
RP091		L8
RP093		L6
RP095		L6
RP125	*	KK12
RP132	*	JJ12
RP150	*	QQ7
RP151	*	PP15
RP153	*	PP15
RP155	*	MM15
RP158	*	MM16
RP161	*	LL7
RP162	*	LL7
RP166	*	KK6
RP175	*	FF8
RP176	*	FF8
RP190	*	JJ7
RP192	*	JJ7
RP196	*	HH6
RP197	*	HH7
RP199	*	HH7
RR001	*	QQ1
RR002	*	PP1
RR003	*	PP2
RR004	*	PP2
RR005	*	QQ4
RR006	*	PP3
RR007	*	QQ5
RR008	*	PP5
RR009	*	QQ5
RR010	*	QQ4
RR011		Q3
RR012	*	QQ3
RR013	*	QQ3
RR014	*	RR3
RR015	*	RR3
RR016		R1
RR017	*	QQ3
RR018	*	QQ3
RR019	*	PP3
RR020	*	WW8
RR021	*	XX7
RR022	*	PP2
RR023	*	VV2
RR024	*	UU0
RR025		Q3
RR026		P5
RR027	*	QQ5
RR030		P2
RR043	*	VV1
RR044	*	VV1
RR049	*	XX7
RR052	*	NN3
RR060	*	QQ4
RR061	*	RR3
RR063		T1
RS001	*	EE4
RS002	*	EE5
RS003	*	EE5
RS004	*	EE5
RS005	*	EE4
RS006	*	EE5
RS101	*	VV3
RS102	*	VV4
RS103		J5
RS104	*	WW4
RS105	*	KK5
RS106	*	WW4
RS107		K4
RS109	*	GG4
RS110	*	HH5
RS111	*	HH5
RS112	*	HH5
RS113	*	HH5
RS115		N2
RS116	*	LL3
RS119		V4
RS120	*	UU4
RS121	*	UU5
RS123	*	VV4
RS124	*	UU5
RS130	*	MM3
RS131	*	LL4
RS201	*	KK2
RS202	*	KK2
RS203	*	LL1
RS204	*	LL1
RS205	*	LL1
RS206	*	MM1
RS207	*	KK2
RS209	*	MM0
RS210	*	JJ2
RS211	*	KK2
RS212	*	JJ2
RS214		L2
RS215	*	LL1
RS216		J0
RS217	*	KK1
RS218	*	KK1
RS219		H3
RS220	*	KK1
RS221	*	LL1
RS225	*	QQ4
RV001	*	RR3
RV002	*	QQ7
RV003	*	QQ7
RV004	*	SS4
RV005		R2
RV006		R3
RV007	*	RR7
RV009		V5
RV010		R5
RV011		R5
RV012		R5
RV013	*	RR5
RV016	*	RR5
RV017	*	RR5
RV018	*	RR5
RV019	*	SS6
RV021		P2
RV022		S5
RV023	*	WW7
RV025	*	SS6
RV039	*	WW6
RV040	*	XX6
RV041		W6
RV042	*	WW6
RV043		W6
RV044	*	WW5
RV045	*	XX6
RV046		W5
RV047		W5
RV048	*	WW4
RV049	*	WW5
RV050	*	WW4
RV051	*	XX5
RV052	*	WW4
RV055	*	WW5
RV060	*	SS6
RV062	*	UU4
RV065		R1
RV070	*	TT5
RV071	*	TT4
RV072	*	TT5
RV073		T6
RV074	*	TT5
RV076	*	SS6
RV077		T6
RV080		U1
RV081	*	SS0
RZ01	*	XX14
RZ016		W16
RZ03	*	XX15
RZ09	*	WW15
RZ11	*	VV15

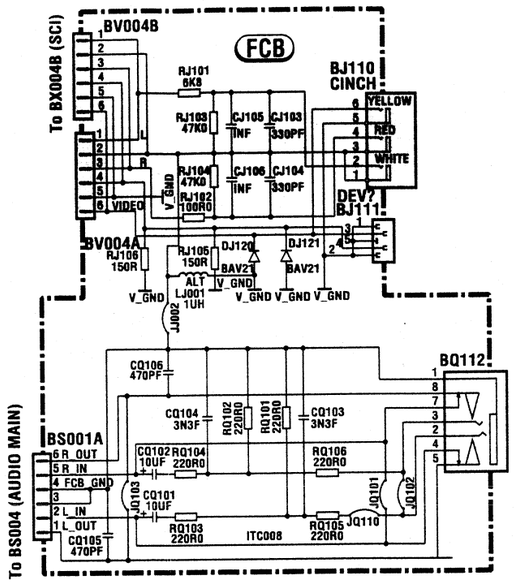
SC218	*	KK0
SK001		D13
SK001	*	DD13
SK002		D12
SK002	*	DD12
SK003		D11
SK003	*	DD11
SK004		D10
SK004	*	DD10
SK005		D14
SK005	*	DD13
SK006		E15
SK006	*	DD15
SP001		F8
SP001	*	FF9
SP010		D15
SP010	*	FF15

TF001A		T9
TI030	*	SS2
TI040	*	UU4
TI045	*	UU3
TI050	*	TT7
TI060	*	TT6
TI070	*	TT8
TI080	*	WW8
TI090	*	VV7
TL031	*	TT10
TL032		T11
TL032	*	TT11
TL033		S10
TL033	*	SS11
TL035		S12
TL035	*	SS13
TL035A		S14
TL050	*	VV14
TL060	*	UU10
TL061	*	WW12
TL062	*	WW13
TP020		L14
TP020	*	LL14
TP020A		L12
TP020C		L13
TP022		K15
TP022	*	KK15
TP023		J13
TP023	*	JJ13
TP025		J11
TP025	*	JJ11
TP052		N16
TP052	*	NN15
TP171	*	FF6
TP175	*	FF6
TP176	*	FF7
TP177	*	GG7
TP192	*	HH7
TP193	*	HH7
TR001	*	PP3
TR002	*	QQ6
TR003	*	RR3
TR005		N4
TR005	*	PP4
TS101	*	HH4
TS102	*	UU4
TS103	*	VV5
TS201	*	JJ2
TS202	*	KK2
TS203	*	KK2
TS204	*	LL0
TZ01		V15

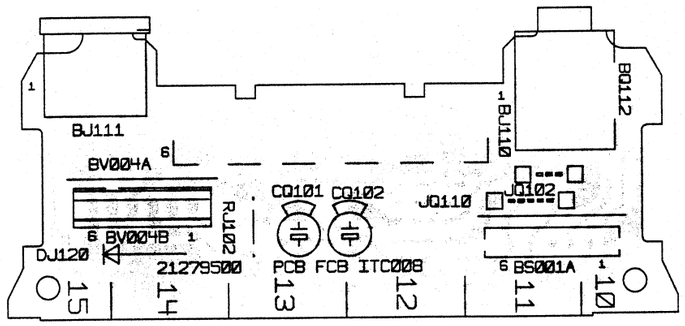
WP003A		J16
WP003A	*	HH16
XRP2		W15
ZP001		F11

ITC008

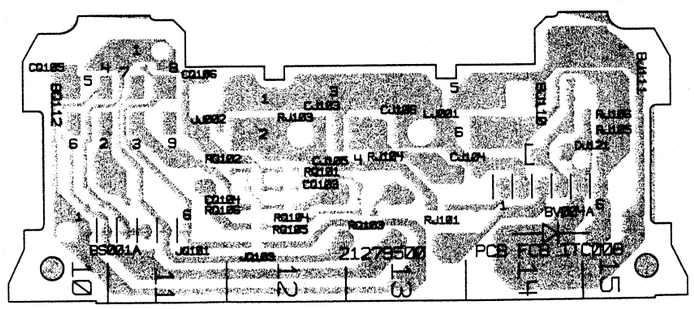
FRONT CONNECTOR BOARD - PRISES EN FACADE ET INTERCONNEXION DU CLAVIER -FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL



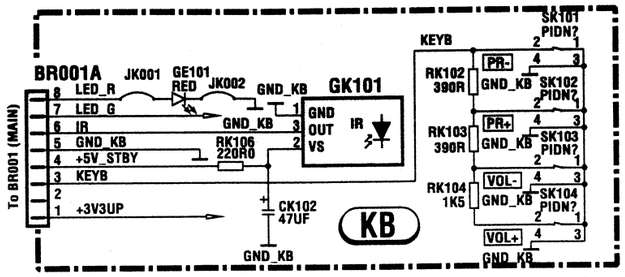
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



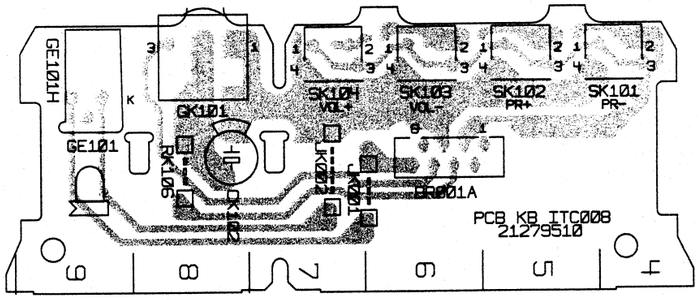
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



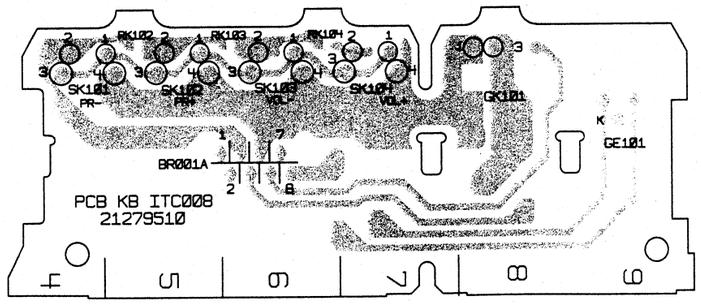
KEYBOARD - CIRCUITS DE COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA DEI CIRCUITI TASTIERA - ESQUEMA DE LOS CIRCUITOS MANDOS



COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



ITC008
First issue 04 / 03

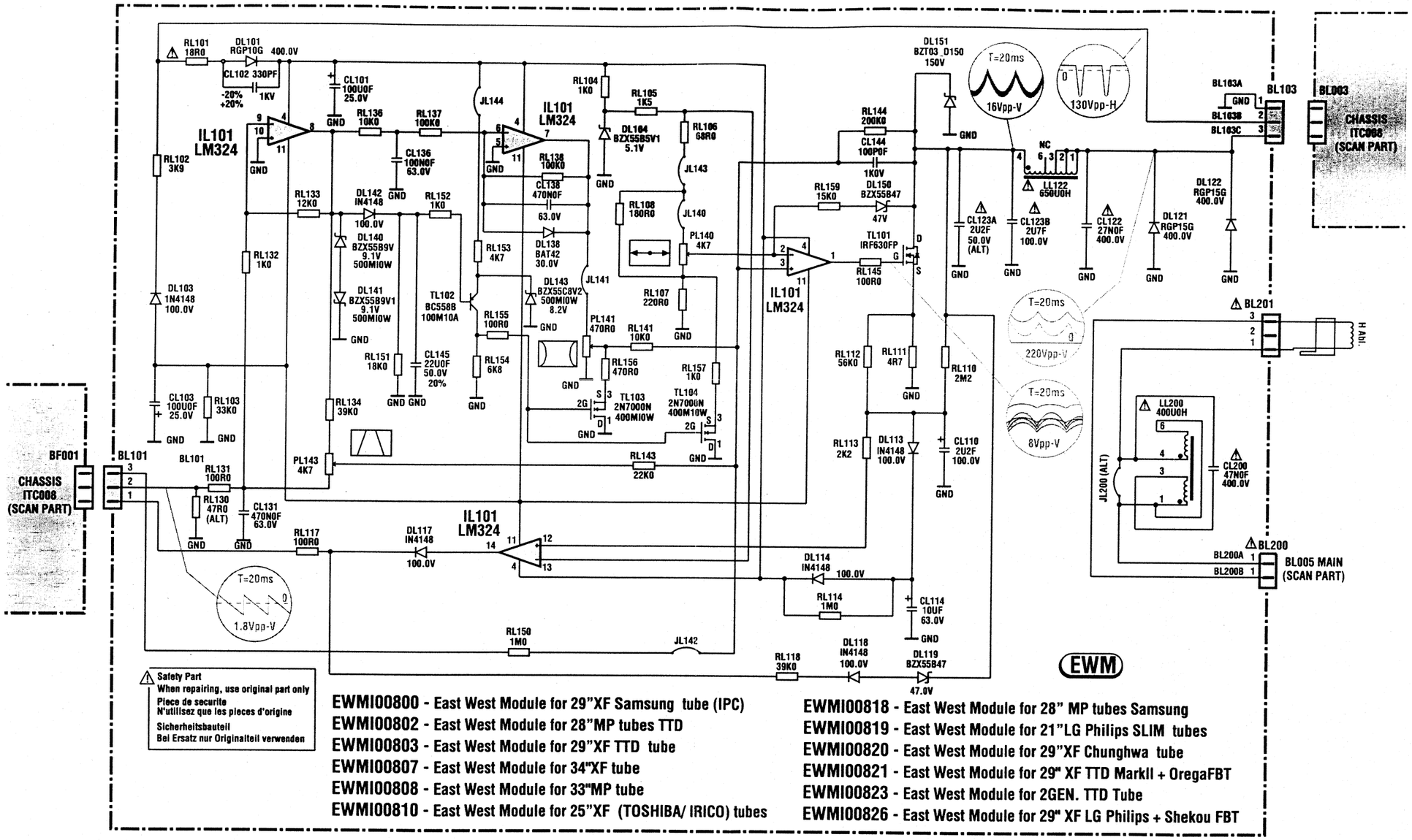
Power supply key component variants for ITC008 (US/EU models)

Screen sizes	20"CV, 21"OT BASIC	21"XF TV-DVD COMBO, BASIC	34"XF, 28"SF(16X9), 28"XF(16X9), 32"SF(16X9), 32"XF(16X9) BASIC+PFC+Tropical	28"MP, 29"XF BASIC+PFC+Tropical	14" AC/DC BASIC (mains switch on board) AC/DC models	14" BASIC (mains switch on board) AC models.	20"CV, 21"OT BASIC (mains switch on board)	25"XF, 25"MP BASIC + tropical climate	14"XF TV-DVD COMBO, BASIC	21"XF BASIC	21"(Slim Tube) LG Philips tube + EW correction
BP001	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM
BP002	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	VAL	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM
BP003	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP007	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP008	VAL	VAL	**PIN-SOLDER 1.31MM**	**PIN-SOLDER 1.31MM**	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP011	VAL	VAL	**PIN-SOLDER 1.31MM**	**PIN-SOLDER 1.31MM**	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP012	VAL	VAL	**PIN-SOLDER 1.31MM**	**PIN-SOLDER 1.31MM**	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP020	VAL	VAL	VAL	**VAL**	**CONNECTOR 2-W (11038995)**	VAL	VAL	VAL	VAL	VAL	VAL
BP099	VAL	VAL	VAL	**VAL**	**CONNECTOR 10-W (80448080)**	VAL	VAL	VAL	VAL	VAL	VAL
CP001	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**
CP002	VAL	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	**CPPMX 100N0F +20% -20%**	VAL	VAL	VAL/CPPMX 100N0F +20% -20%	VAL/CPPMX 100N0F +20% -20%	VAL	VAL/CPPMX 100N0F +20% -20%	VAL/CPPMX 100N0F +20% -20%
CP008	CE 100U0F +20% 400.0V 85C	CE 150U0F +20% 400.0V 85C	CE 220U0F +20% 400.0V 85C	CE 150U0F +20% 400.0V 85C	CE 68U0F +20% 400.0V 85C	CE 68U0F +20% 400.0V 85C	CE 100U0F +20% 400.0V 85C	CE 150U0F +20% 400.0V 85C	CE 68U0F +20% 400.0V 85C	CE 150U0F +20% 400.0V 85C	CE 150U0F +20% 400.0V 85C
CP018	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
CP033	CC 680P	CC 3N3	CC 3N3	CC 680P	CC 680P	CC 680P	CC 680P	CC 3N3	CC 680P	CC 680P	CC 680P
CP037	CC 1N5F	CC 1N5F	CC3N3	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F
CP050	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P	CC 470P
CP080	CE 100U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C	CE 100U0F +20% 200.0V 105C	CE 100U0F +20% 200.0V 105C	CE 100U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C	CE 100U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C
CP093	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
CP094	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF	CE 47UF
CP097	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F	CE 4U7F
DP002/5	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000	BYW27-1000
DP028	VAL	VAL	D-ZENER BZX55C33V 33.0V	D-ZENER BZX55C33V 33.0V	VAL	VAL	VAL	VAL	VAL	VAL	VAL
DP057	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V
DP080	D-SR BYW76/RGP30J	D-SR STTH5L06 600.0V	D-SR STTH5L06 600.0V	D-SR STTH5L06 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J	D-SR BYW76/RGP30J	D-SR STTH5L06 600.0V	D-SR BYW76/RGP30J	D-SR STTH5L06 600.0V	D-SR STTH5L06 600.0V
DP093	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	VAL	VAL	D-SR RGP10G	D-SR RGP10G	VAL	D-SR RGP10G	D-SR RGP10G
DP095	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B6V2	D-ZENER BZX55B6V2	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B10V	D-ZENER BZX55B10V
DP099	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
FP001	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1
FZP30	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
FZP93	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	VAL	VAL	TE5-T FUSE 500mA	TE5-T FUSE 500mA	VAL	TE5-T FUSE 500mA	TE5-T FUSE 500mA
LP002	MAINS FILTER 33MH	MAINS FILTER 60MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 33MH	MAINS FILTER 33MH	MAINS FILTER 33MH/60MH	MAINS FILTER 60MH	MAINS FILTER 60MH	MAINS FILTER 33MH	MAINS FILTER 60MH
LP003	TF-SMT (21295190)	TF-SMT (21261120)	TF-SMT (21273900)	TF-SMT (21295200)	TF-SMT (2133990A)	TF-SMT (2133990A)	TF-SMT (21295190) / (21414310)	TF-SMT (21295200)	TF-SMT (21384580)	TF-SMT (21260710)/ (21414300)	TF-SMT (21260710)
LP008	VAL	VAL	PFC coil	PFC coil	VAL	VAL	VAL	VAL	VAL	VAL	VAL
RP001	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W
RP002	POS 18R	POS 18R	POS 18R	POS 18R	VAL	VAL	POS 18R	POS 18R	POS 18R	POS 18R	POS 18R
RP003	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
RP006	RCF 180KO OHM	RCF 180KO OHM	RCF 270KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM
RP007	RCF 180KO OHM	RCF 180KO OHM	RCF 270KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM	RCF 180KO OHM
RP009	VAL	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	VAL	VAL	VAL / RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	VAL	VAL	RS 470K0 OHM +5% 1.0W
RP015	RS 10M0 OHM	RS 10M0 OHM	RS 820 OHM +5% 250MI0W	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM	RS 10M0 OHM
RP016	VAL	VAL	RS 18K0 OHM +5% 250MI0W	RS 10M0 OHM	VAL	VAL	VAL	VAL	VAL	VAL	VAL
RP020	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 470MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W
RP023	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 820 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP027	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 820 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	VAL	VAL	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	VAL	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W
RP041	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 33K0 OHM +5% 250MI0W	RCF 33K0 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 33K0 OHM +5% 250MI0W	RCF 33K0 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP057	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP093	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
RP095	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 12K0 OHM +5% 250MI0W	RCF 12K0 OHM +5% 250MI0W	RCF 6K8 OHM +5% 250MI0W	RCF 9K1 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W
RP150	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM
RP151	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM
RP153	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM
RP192	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 5K1 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM
SP001	VAL	RELAY	RELAY	RELAY	VAL	VAL	VAL	RELAY	VAL	VAL	VAL
SP010	VAL	VAL	VAL	VAL	MAINS SWITCH	MAINS SWITCH	MAINS SWITCH	VAL	MAINS SWITCH	VAL	VAL
TP020	TR-M STP6NB90FP/FQPF6N90/ 2SK2717	TR-M STP6NB90FP/FQPF6N90/ 2SK2717	TR-M STP6NB90FP/FQPF6N90	TR-M STP6NB90FP/FQPF6N90	TR-M FQPF3N90/STP3NB90FP	TR-M FQPF3N90/STP3NB90FP	TR-M FQPF3N90/STP3NB90FP	TR-M STP6NB90FP/FQPF6N90	TR-M FQPF3N90/STP3NB90FP	TR-M STP6NB90FP/FQPF6N90	TR-M STP6NB90FP/FQPF6N90
TP020A	Heatsink TX807C 25421950	Heatsink TX807C 25421950	Heatsink TX807C 25421950	Heatsink TX807C 25421950	Heatsink 21333490	Heatsink 21333490	Heatsink 21333490	Heatsink TX807C 25421950	Heatsink 21333490	Heatsink TX807C 25421950	Heatsink TX807C 25421950
WP003A	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
ZP001	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
RELAY CIRCUIT											
DP071	VAL	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	VAL	VAL	VAL	DIODE 1N4148	VAL	VAL	VAL
TP171	VAL	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	VAL	VAL	VAL	TR-SLPLF BC848B	VAL	VAL	VAL
TP175	VAL	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	VAL	VAL	VAL	TR-SLPLF BC848B	VAL	VAL	VAL
TP176	VAL	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	VAL	VAL	VAL	TR-SLPLF BC848B	VAL	VAL	VAL
TP177	VAL	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	VAL	VAL	VAL	TR-SLPLF BC848B	VAL	VAL	VAL
RP077	VAL	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	VAL	VAL	VAL	RCF 2K2 OHM	VAL	VAL	VAL
RP078	VAL	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	VAL	VAL	VAL	RCF 6K8 OHM	VAL	VAL	VAL
RP175	VAL	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	VAL	VAL	VAL	RMGCFMIC 2K2 OHM	VAL	VAL	VAL
RP176	VAL	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	VAL	VAL	VAL	RMGCFMIC 2K2 OHM	VAL	VAL	VAL
JUMPERS											
JP001	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP002	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP005	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL	VAL	WIREBARE 22	VAL	WIREBARE 22	WIREBARE 22
JP008	WIREBARE 22	WIREBARE 22	VAL	VAL	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
JP009	WIREBARE 22	VAL	VAL	VAL	VAL	VAL	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
JP010	VAL	VAL	VAL	VAL	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL	VAL	VAL
JP011	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP012	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP013	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP014	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP121	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	VAL	VAL	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM
JP163	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP164	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM
JP067	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL	VAL	WIREBARE 22	VAL	WIREBARE 22	WIREBARE 22
JP074	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL	VAL	WIREBARE 22	VAL	WIREBARE 22	WIREBARE 22

Power supply key component variants for ITC008 (US/EU models)

Screen sizes	32"VHP, 32"TF, 36"VHP, BASIC	32"TF ALERT GUARD	27"1R, 27"VHP, 27"TF, 24"TF BASIC	27"1R, 27"VHP, 27"TF, 24"TF ALERT GUARD	20"TF BASIC	20"TF ALERT GUARD	20"TF, 24"TF TV-DVD COMBO, BASIC	28"MP, 29"XF BASIC	33"MP BASIC+PFC
BP001	VAL	VAL	VAL	VAL	VAL	VAL	VAL	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM
BP002	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM	PIN-SOLDER 1.31MM
BP003	TERMPIN 2.36	TERMPIN 2.36	TERMPIN 2.36	TERMPIN 2.36	TERMPIN 2.36	TERMPIN 2.36	TERMPIN 2.36	VAL	VAL
BP007	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP008	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	PIN-SOLDER 1.31MM
BP011	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	PIN-SOLDER 1.31MM
BP012	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	PIN-SOLDER 1.31MM
BP020	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
BP099	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
CP001	VAL	VAL	VAL	VAL	VAL	VAL	VAL	CPPMX 100N0F +20% -20%	CPPMX 100N0F +20% -20%
CP002	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	CPPMX 220N0F +20% -20%	VAL	CPPMX 100N0F +20% -20%
CP008	CE 680U0F +20% 200.0V 85C	CE 680U0F +20% 200.0V 85C	CE 680U0F +20% 200.0V 85C	CE 680U0F +20% 200.0V 85C	CE 330U0F +20% 200.0V 85C	CE 330U0F +20% 200.0V 85C	CE 330U0F +20% 200.0V 85C	CE 150U0F +20% 400.0V 85C	CE 220U0F +20% 400.0V 85C
CP018	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	CCS 2N2F +20% -20% 250.0 V	VAL	VAL
CP033	CC 3N3	CC 3N3	CC 3N3	CC 3N3	CC 3N3	CC 3N3	CC 3N3	CC 680P	CC 680P
CP037	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F	CC 1N5F
CP050	CC 2N2	CC 2N2	CC 2N2	CC 2N2	CC 2N2	CC 2N2	CC 2N2	CC 470P	CC 470P
CP080	CE 100U0F +20% 250.0V 105C	CE 100U0F +20% 250.0V 105C	CE 100U0F +20% 250.0V 105C	CE 100U0F +20% 250.0V 105C	CE 100U0F +50% 250.0V 85C	CE 100U0F +50% 250.0V 85C	CE 100U0F +50% 250.0V 85C	CE 220U0F +20% 200.0V 105C	CE 220U0F +20% 200.0V 105C
CP093	CC 330P	CC 330P	CC 330P	CC 330P	CC 330P	CC 330P	CC 330P	VAL	VAL
CP094	CE 1000UF	CE 1000UF	CE 1000UF	CE 1000UF	CE 1000UF	CE 1000UF	CE 1000UF	CE 47UF	CE 47UF
CP097	CE 10UF	CE 10UF	CE 10UF	CE 10UF	CE 10UF	CE 10UF	CE 10UF	CE 4U7F	CE 4U7F
DP002/5	GP30M	GP30M	GP30M	GP30M	G2M/GP20M	G2M/GP20M	G2M/GP20M	BYW27-1000	BYW27-1000
DP028	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	D-ZENER BZX55C33V 33.0V
DP057	D-ZENER BZX55B9V1 9.1V	D-ZENER BZX55C10 10V	D-ZENER BZX55B9V1 9.1V	D-ZENER BZX55C10 10V	D-ZENER BZX55B9V1 9.1V	D-ZENER BZX55C10 10V	D-ZENER BZX55B9V1 9.1V	D-ZENER BZX55C9V1 9.1V	D-ZENER BZX55C9V1 9.1V
DP080	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR BYW76/RGP30J 600.0V	D-SR STTH5L06 600.0V	D-SR STTH5L06 600.0V
DP093	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G	D-SR RGP10G
DP095	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55C5V6	D-ZENER BZX55B10V	D-ZENER BZX55B6V2
DP099	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
FP001	FUSFASTACT 5.0 A 125.0 V	FUSFASTACT 5.0 A 125.0 V	FUSFASTACT 5.0 A 125.0 V	FUSFASTACT 5.0 A 125.0 V	FUSULSLWBL 2.5 A 250.0 V	FUSULSLWBL 2.5 A 250.0 V	FUSULSLWBL 2.5 A 250.0 V	FUSTIM 1.6 A 250.0 V 1303 A1	FUSTIM 1.6 A 250.0 V 1303 A1
FZP30	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
FZP93	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA	TE5-T FUSE 500mA
LP002	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 25MH	MAINS FILTER 33MH	MAINS FILTER 25MH
LP003	TFSMT (TCM:21273890)	TFSMT (TCM:21273890)	TFSMT (TCM:21138600)	TFSMT (TCM:21138600)	TFSMT (TCM:21210170)	TFSMT (TCM:21210170)	TFSMT (TCM:21261110)	TF-SMT (21260710)	TF-SMT (21295200)
LP008	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	PFC coil
RP001	RW 1R6 OHM +10% 10.0W	RW 1R6 OHM +10% 10.0W	RW 1R6 OHM +10% 10.0W	RW 1R6 OHM +10% 10.0W	RW 2R2 OHM +10% 10.0W	RW 2R2 OHM +10% 10.0W	RW 2R2 OHM +10% 10.0W	RW 4R7 OHM +5% 10.0W	RW 4R7 OHM +5% 10.0W
RP002	VAL	VAL	VAL	VAL	VAL	VAL	VAL	POS 18R	POS 18R
RP003	POS 5R0	POS 5R0	POS 5R0	POS 5R0	POS 5R0	POS 5R0	POS 5R0	VAL	VAL
RP006	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 180KO OHM	RCF 180KO OHM
RP007	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 120KO OHM	RCF 180KO OHM	RCF 180KO OHM
RP009	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	RS 470K0 OHM +5% 1.0W	VAL	RS 470K0 OHM +5% 1.0W
RP015	RA 8M2 OHM	RA 8M2 OHM	RA 8M2 OHM	RA 8M2 OHM	RA 8M2 OHM	RA 8M2 OHM	RA 8M2 OHM	RS 10M0 OHM	RS 10M0 OHM
RP016	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	RA 1M8 OHM +10% 500MI0W	VAL	VAL
RP020	RW 330MI0 OHM +5% 2.5W	RW 330MI0 OHM +5% 2.5W	RW 330MI0 OHM +5% 2.5W	RW 330MI0 OHM +5% 2.5W	RW 470MI0 OHM +5% 2.5W	RW 470MI0 OHM +5% 2.5W	RW 470MI0 OHM +5% 2.5W	RW 680MI0 OHM +5% 2.5W	RW 470MI0 OHM +5% 2.5W
RP023	RCF 1K2 OHM +5% 250MI0W	RCF 1K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP027	RCF 1K2 OHM +5% 250MI0W	RCF 1K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP041	RCF 27K0 OHM +5% 250MI0W	RCF 27K0 OHM +5% 250MI0W	RCF 27K0 OHM +5% 250MI0W	RCF 27K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W	RCF 18K0 OHM +5% 250MI0W
RP057	RCF 3K3 OHM +5% 250MI0W	RCF 220R0 OHM +5% 250MI0W	RCF 3K3 OHM +5% 250MI0W	RCF 220R0 OHM +5% 250MI0W	RCF 3K3 OHM +5% 250MI0W	RCF 220R0 OHM +5% 250MI0W	RCF 3K3 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W	RCF 2K2 OHM +5% 250MI0W
RP093	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
RP095	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 3K9 OHM +5% 250MI0W	RCF 12K0 OHM +5% 250MI0W
RP150	RMGCFMIC 2K7 OHM	RMGCFMIC 2K7 OHM	RMGCFMIC 2K7 OHM	RMGCFMIC 2K7 OHM	RMGCFMIC 2K7 OHM +5%	RMGCFMIC 2K7 OHM	RMGCFMIC 2K7 OHM +5%	RMGCFMIC 18K0 OHM	RMGCFMIC 18K0 OHM
RP151	RMGCFMIC 4K7 OHM	RMGCFMIC 6K8 OHM	RMGCFMIC 4K7 OHM	RMGCFMIC 6K8 OHM	RMGCFMIC 4K7 OHM +5%	RMGCFMIC 6K8 OHM	RMGCFMIC 4K7 OHM +5%	RMGCFMIC 4K7 OHM	RMGCFMIC 4K7 OHM
RP153	RMGCFMIC 470R0 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 470R0 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 470R0 OHM +5%	RMGCFMIC 2K2 OHM	RMGCFMIC 470R0 OHM +5%	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM
RP192	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 3K9 OHM	RMGCFMIC 8K2 OHM	RMGCFMIC 8K2 OHM
SP001	RELAY	RELAY	RELAY	RELAY	RELAY	RELAY	RELAY	RELAY	RELAY
SP010	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
TP020	TR-M 2SK2842 (TCM: 21291750)	TR-M 2SK2842 (TCM: 21291750)	TR-M 2SK2543 (TCM: 21024570)	TR-M 2SK2543 (TCM: 21024570)	TR-M 2SK2543 (TCM: 21024570)	TR-M 2SK2543 (TCM: 21024570)	TR-M 2SK2543 (TCM: 21024570)	TR-M STP6NB90FP/FQPF6N90	TR-M STP6NB90FP/FQPF6N90
TP020A	RAW HEATSINK ITC008US150	RAW HEATSINK ITC008US150	RAW HEATSINK ITC008US150	RAW HEATSINK ITC008US150	RAW HEATSINK CRT 01 00	RAW HEATSINK CRT 01 00	RAW HEATSINK CRT 01 00	Heatsink TX807C 25421950	Heatsink TX807C 25421950
WP003A	WIRE L=380MM	WIRE L=380MM	WIRE L=380MM	WIRE L=380MM	WIRE L=380MM	WIRE L=380MM	WIRE L=380MM	VAL	VAL
ZP001	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	RTV ERZV14D511/S14K320E2	VAL	VAL
RELAY CIRCUIT									
DP071	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148	DIODE 1N4148
TP171	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B
TP175	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B
TP176	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B
TP177	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B	TR-SLPLF BC848B
RP077	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM	RCF 2K2 OHM
RP078	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM	RCF 6K8 OHM
RP175	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM
RP176	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM	RMGCFMIC 2K2 OHM
JUMPERS									
JP001	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL
JP002	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL
JP005	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
JP008	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL
JP009	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP010	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP011	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP012	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	VAL	VAL
JP013	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP014	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL	VAL
JP121	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	VAL
JP163	VAL	WIREBARE 22	VAL	WIREBARE 22	VAL	WIREBARE 22	VAL	VAL	VAL
JP164	RMGCFMIC 0 OHM	VAL	RMGCFMIC 0 OHM	VAL	RMGCFMIC 0 OHM	VAL	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM	RMGCFMIC 0 OHM
JP067	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22
JP074	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22	WIREBARE 22

EAST-WEST MODULE - PLATINE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MÓDULO ESTE-OESTE



EWMI00800 - East West Module for 29"XF Samsung tube (IPC)
EWMI00802 - East West Module for 28"MP tubes TTD
EWMI00803 - East West Module for 29"XF TTD tube
EWMI00807 - East West Module for 34"XF tube
EWMI00808 - East West Module for 33"MP tube
EWMI00810 - East West Module for 25"XF (TOSHIBA/ IRICO) tubes
EWMI00818 - East West Module for 28" MP tubes Samsung
EWMI00819 - East West Module for 21"LG Philips SLIM tubes
EWMI00820 - East West Module for 29"XF Chunghwa tube
EWMI00821 - East West Module for 29" XF TTD MarkII + OregaFBT
EWMI00823 - East West Module for 2GEN. TTD Tube
EWMI00826 - East West Module for 29" XF LG Philips + Shekou FBT

ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

- Please refer to Geometry Service Mode Alignment to adjust the East-West Module (EWM).

- Se référer à la méthode d'alignement des géometries du Service Mode pour effectuer les réglages du module Est-Ouest EWM.

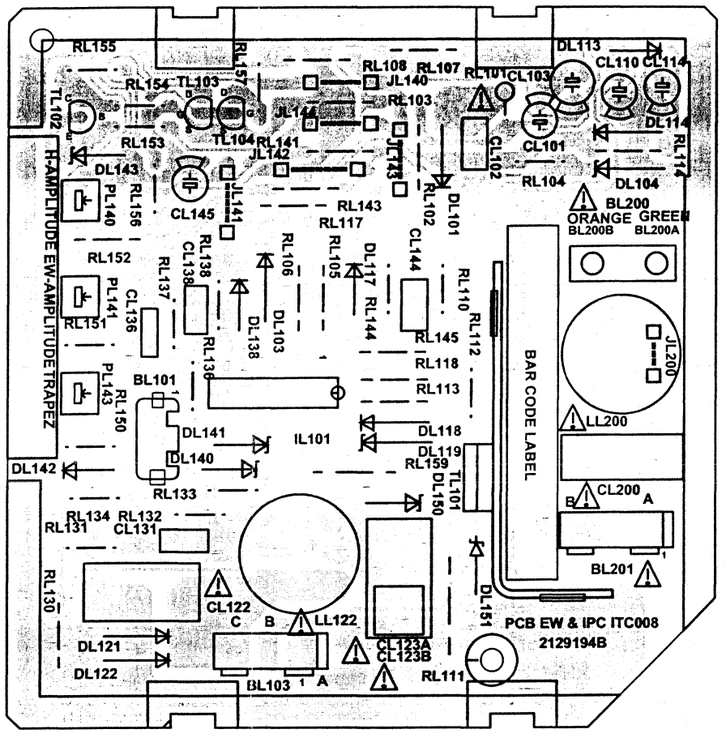
- Abgleich des Ost-West-Modules: Siehe Geometrie-Abgleich Service Mode.

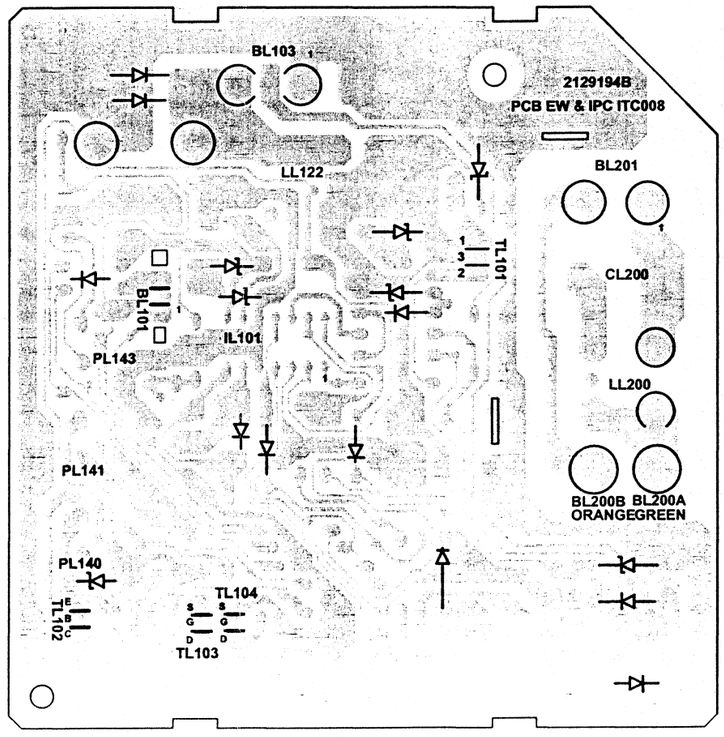
- Per le regolazioni del Modulo Est-Ovest fare riferimnto al modo allineamento geometria Service Mode.

- Para los ajustes del módulo Este-Oeste (EWM) ver modo ajuste geometría Service Mode.

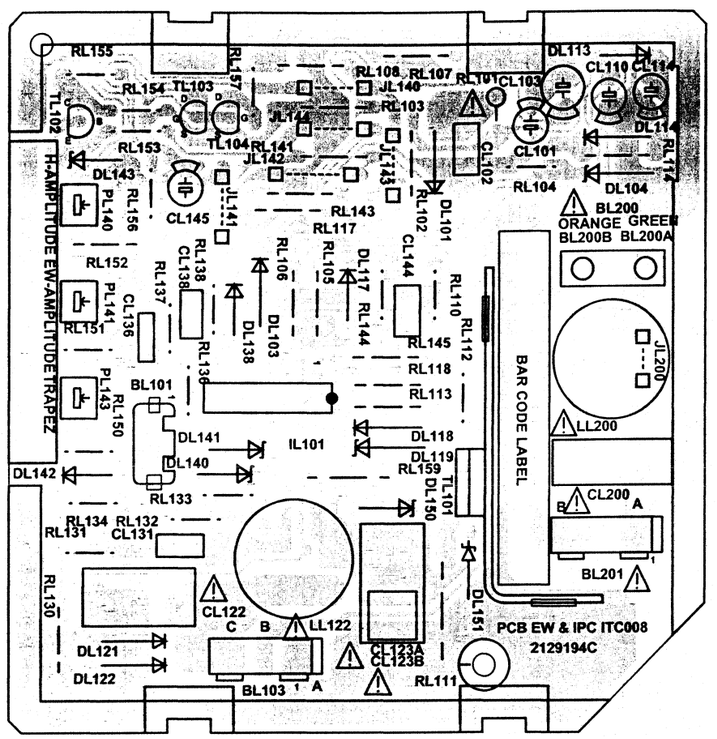
EAST-WEST MODULE - PLATINE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MÓDULO ESTE-OESTE

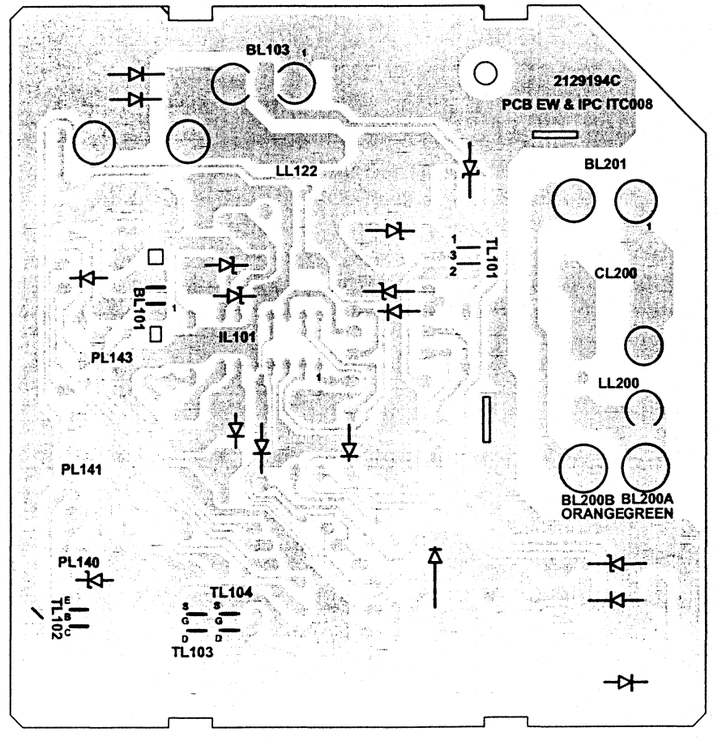
INDEX B



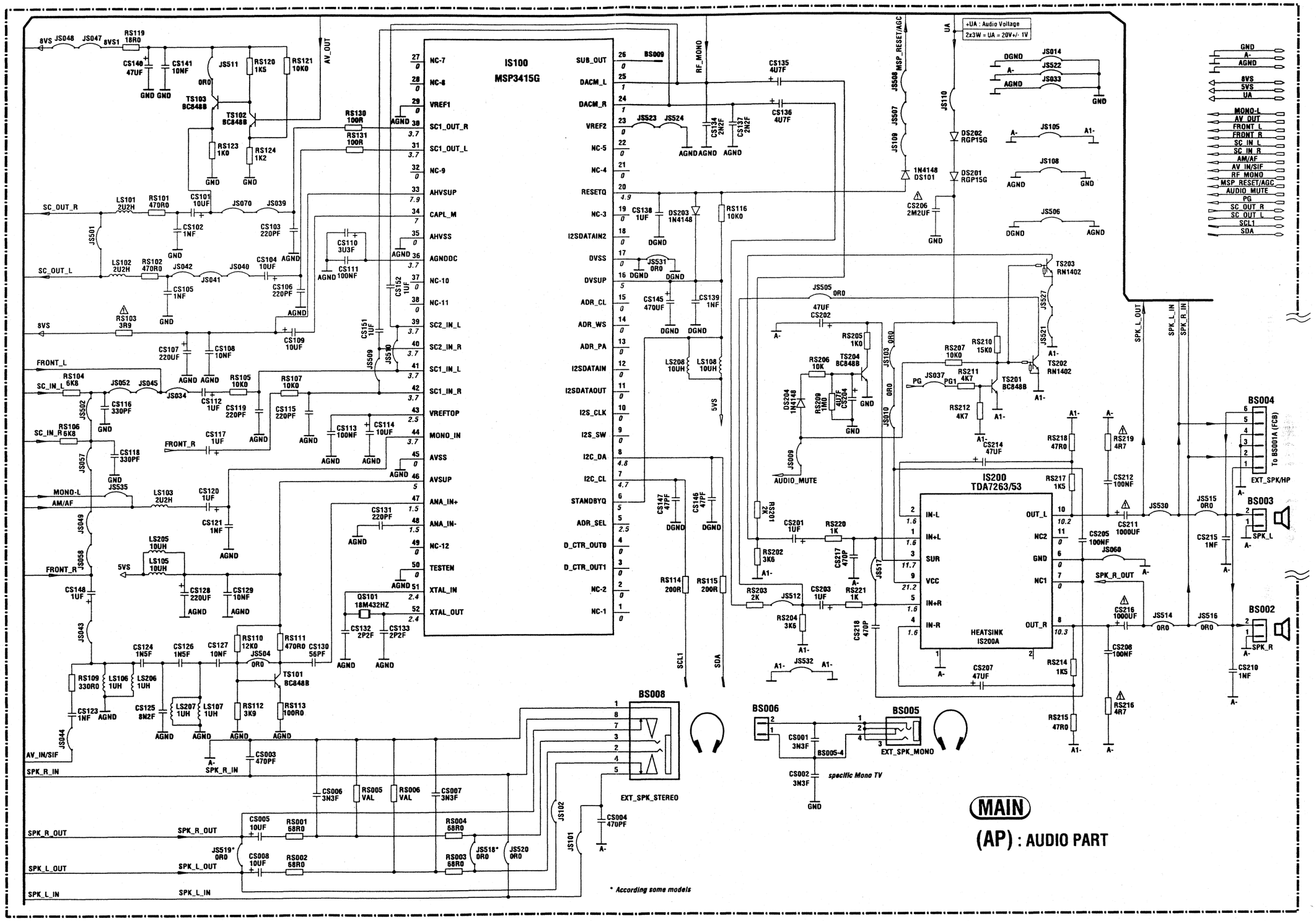


INDEX C



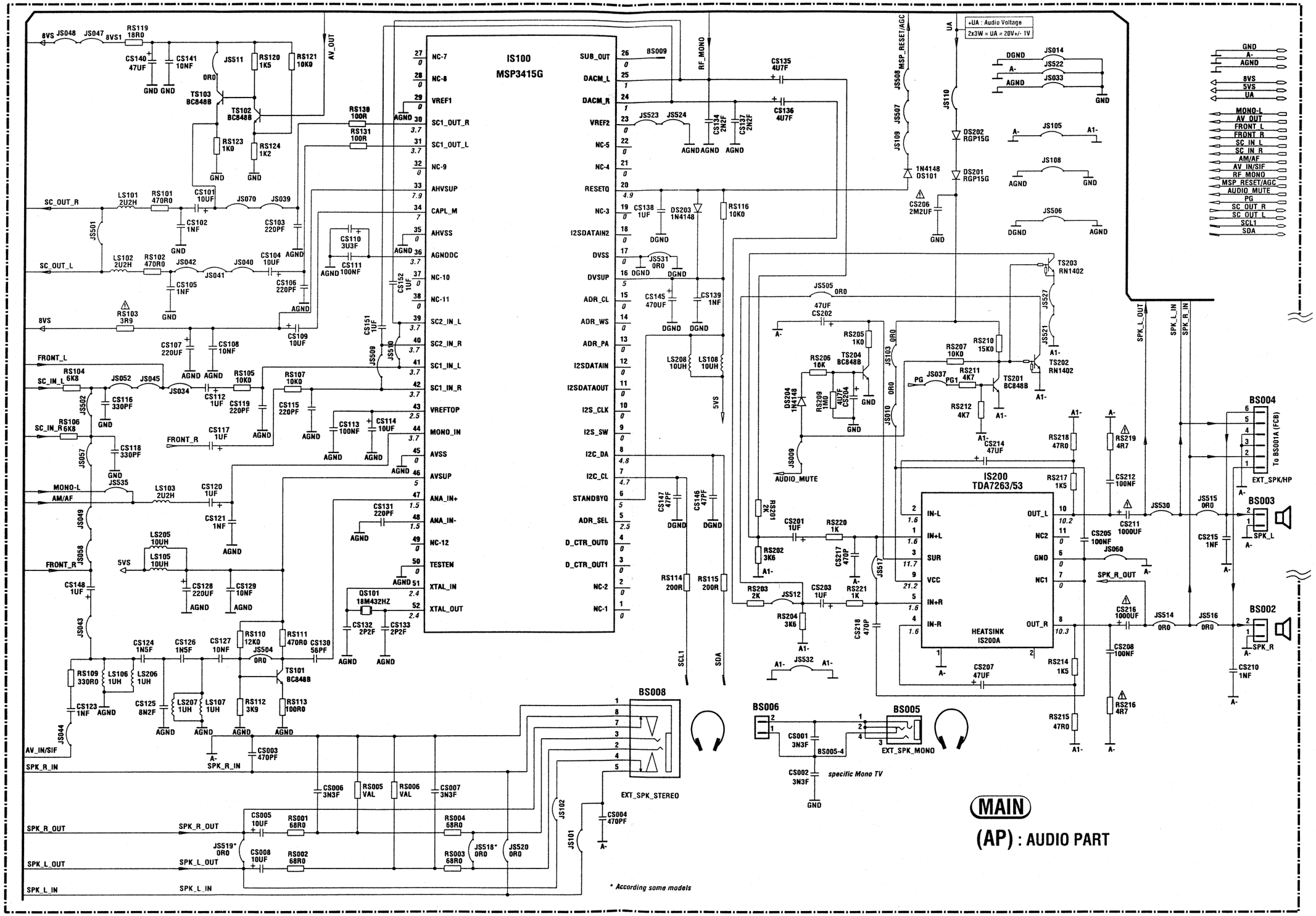


COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



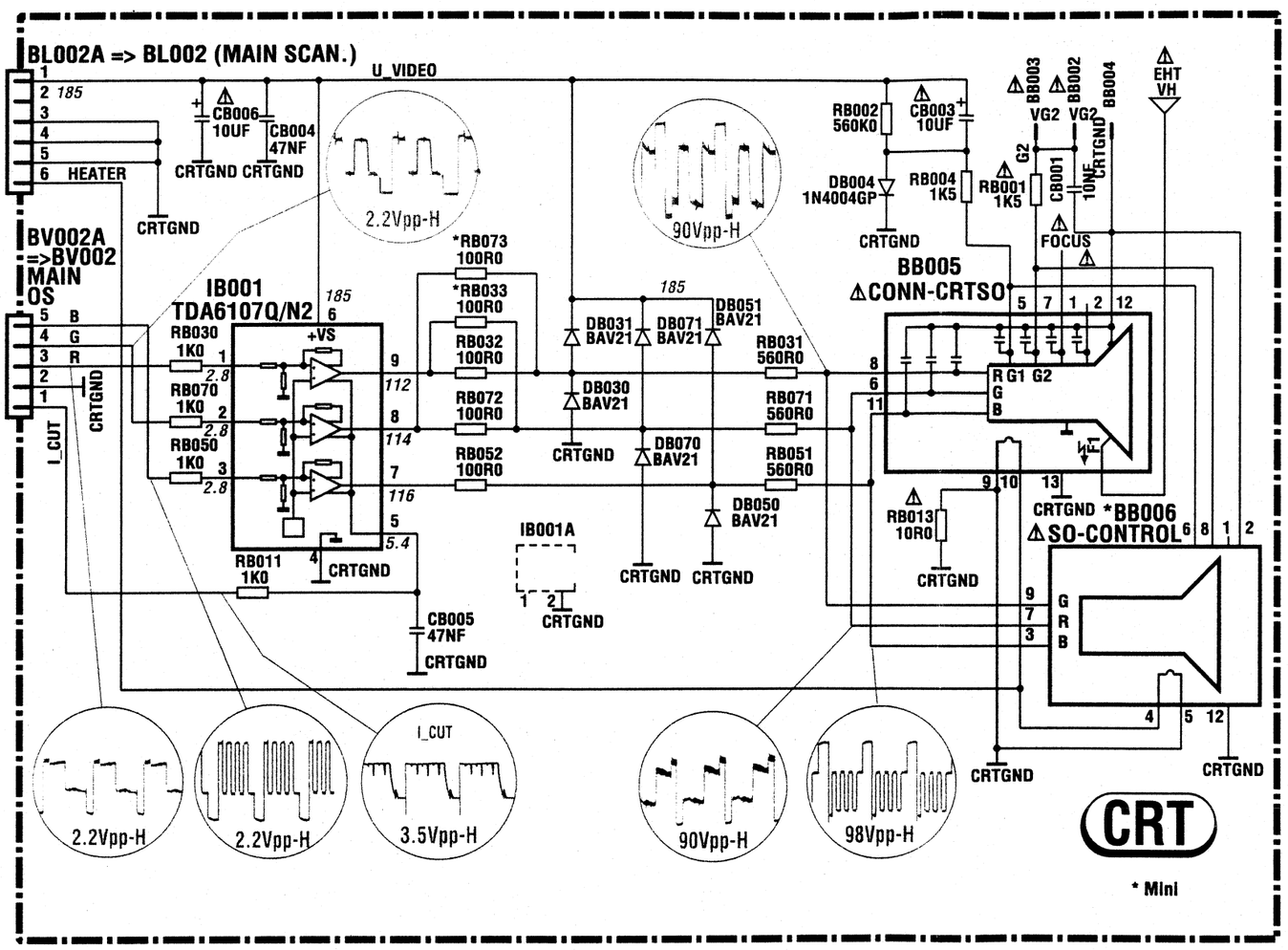
ITC008
First issue 04/ 03

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA

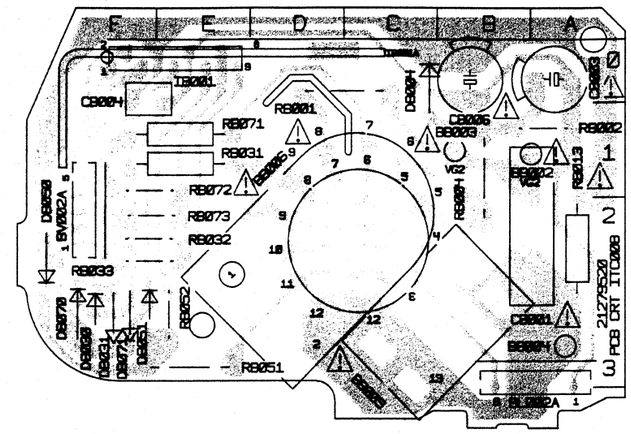


ITC008
First issue 04/ 03

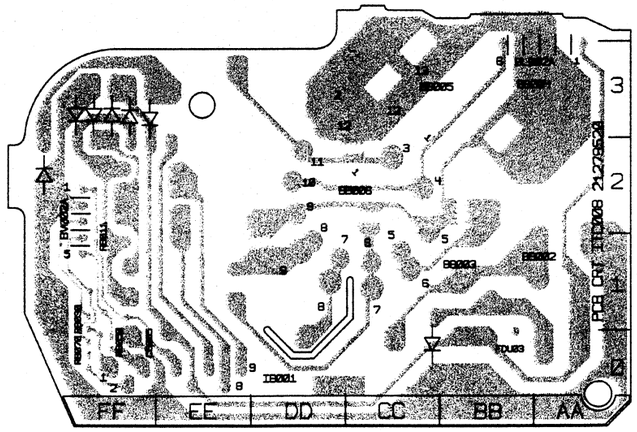
VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO



COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

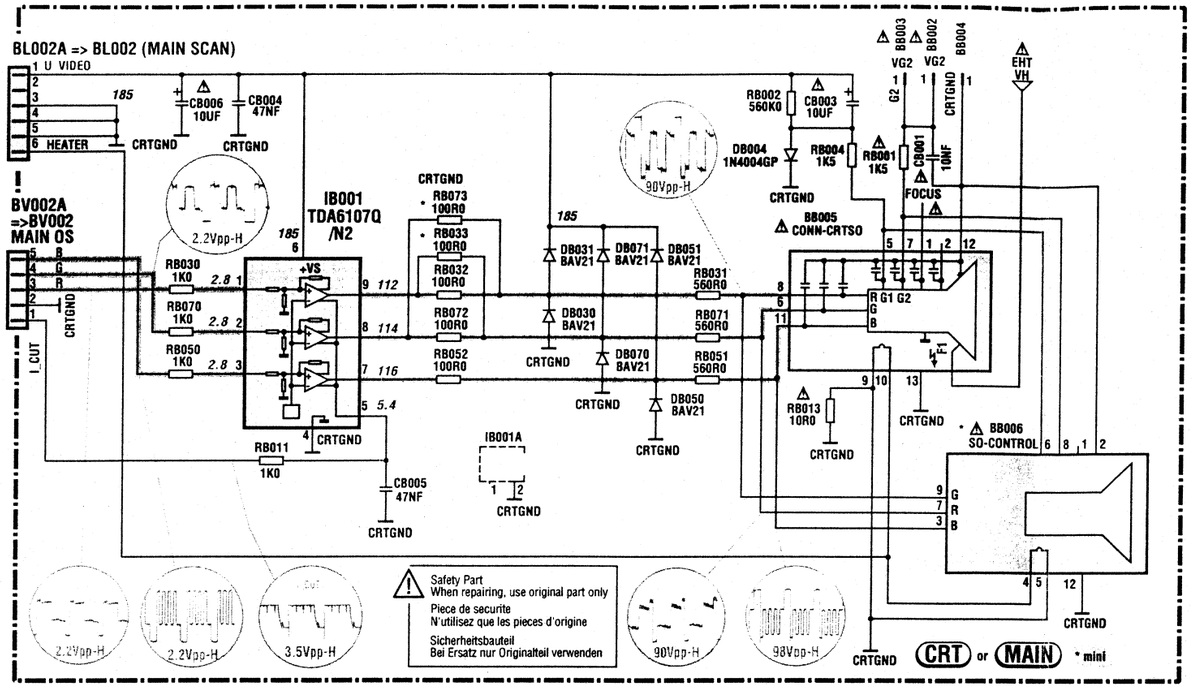


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

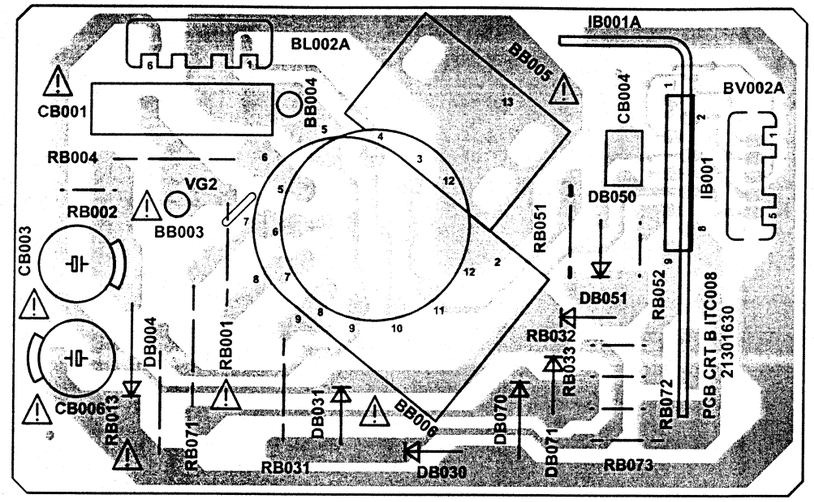


ITC008
First issue 04/ 03

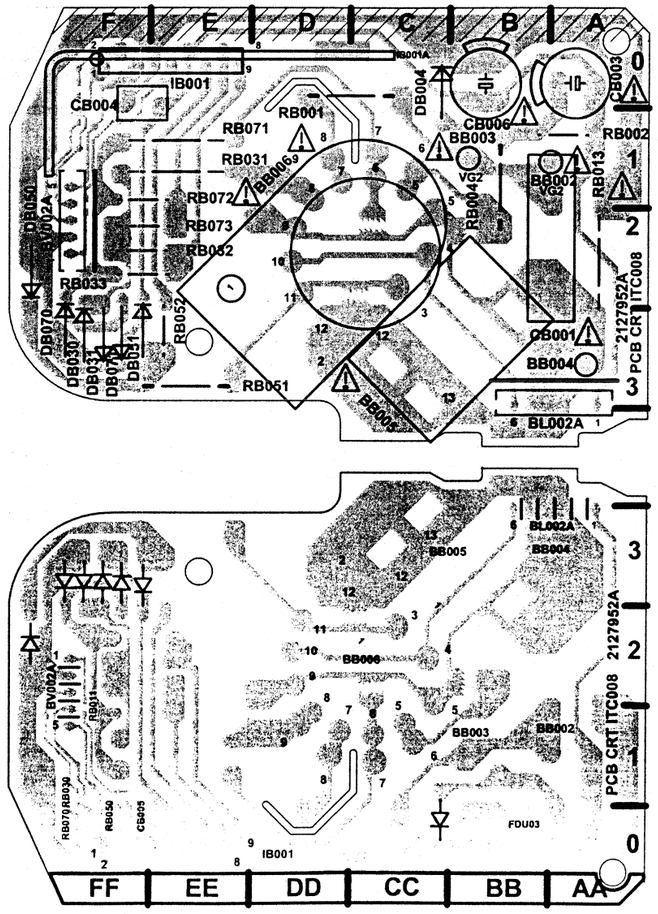
VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

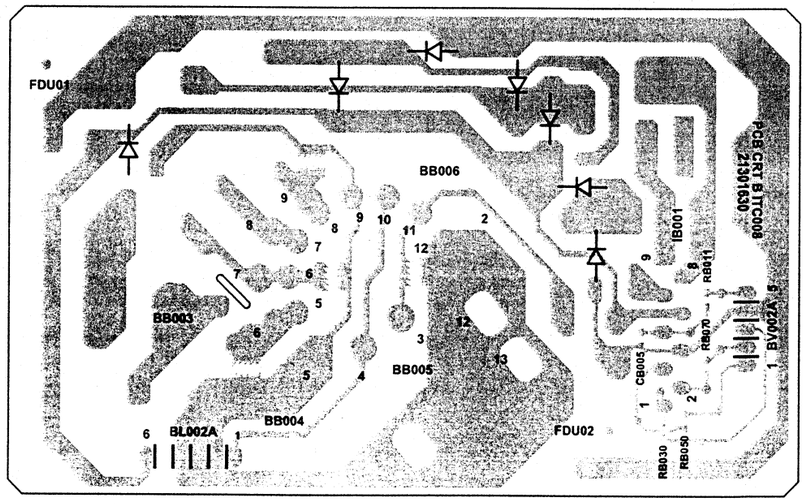


COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS





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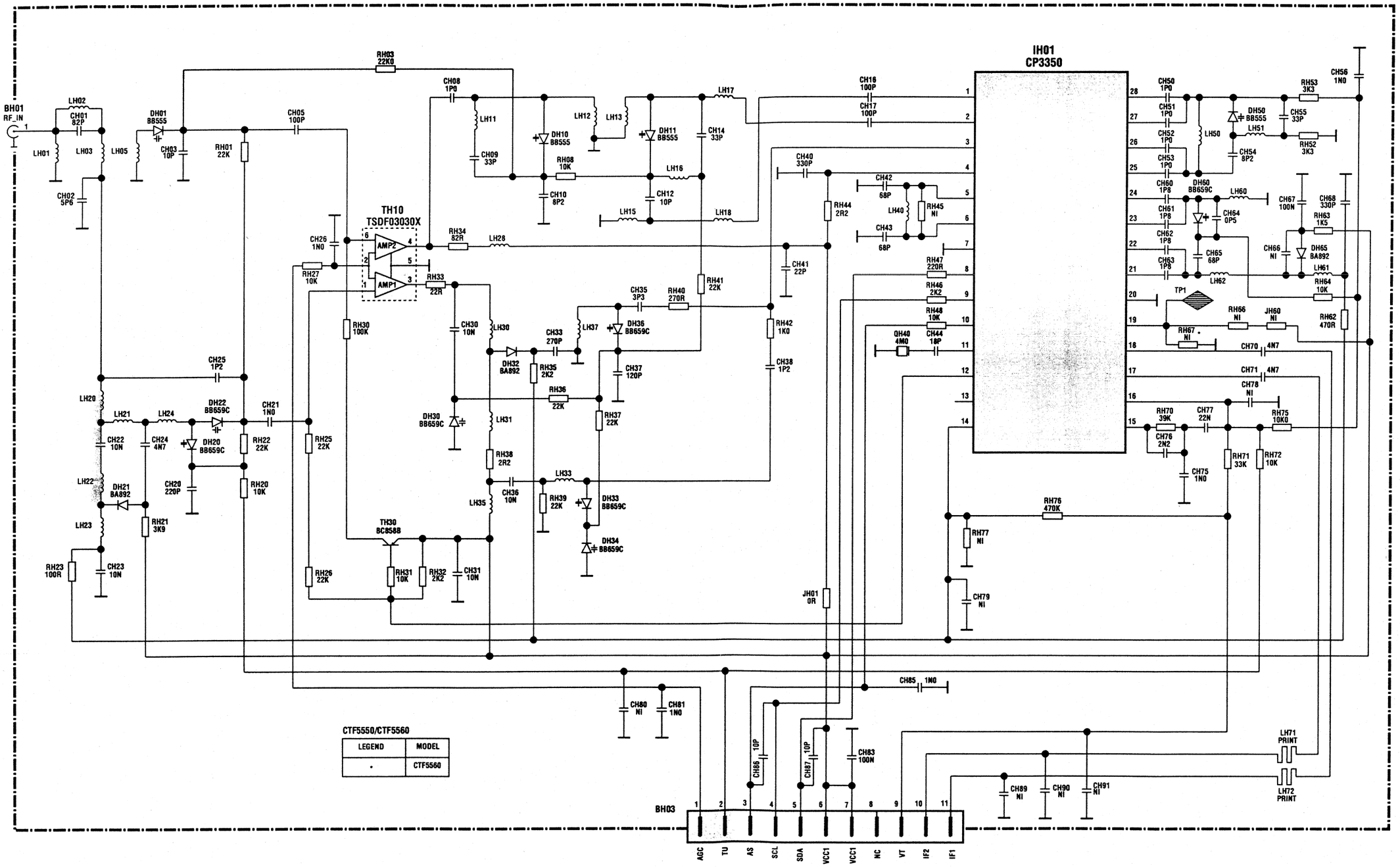
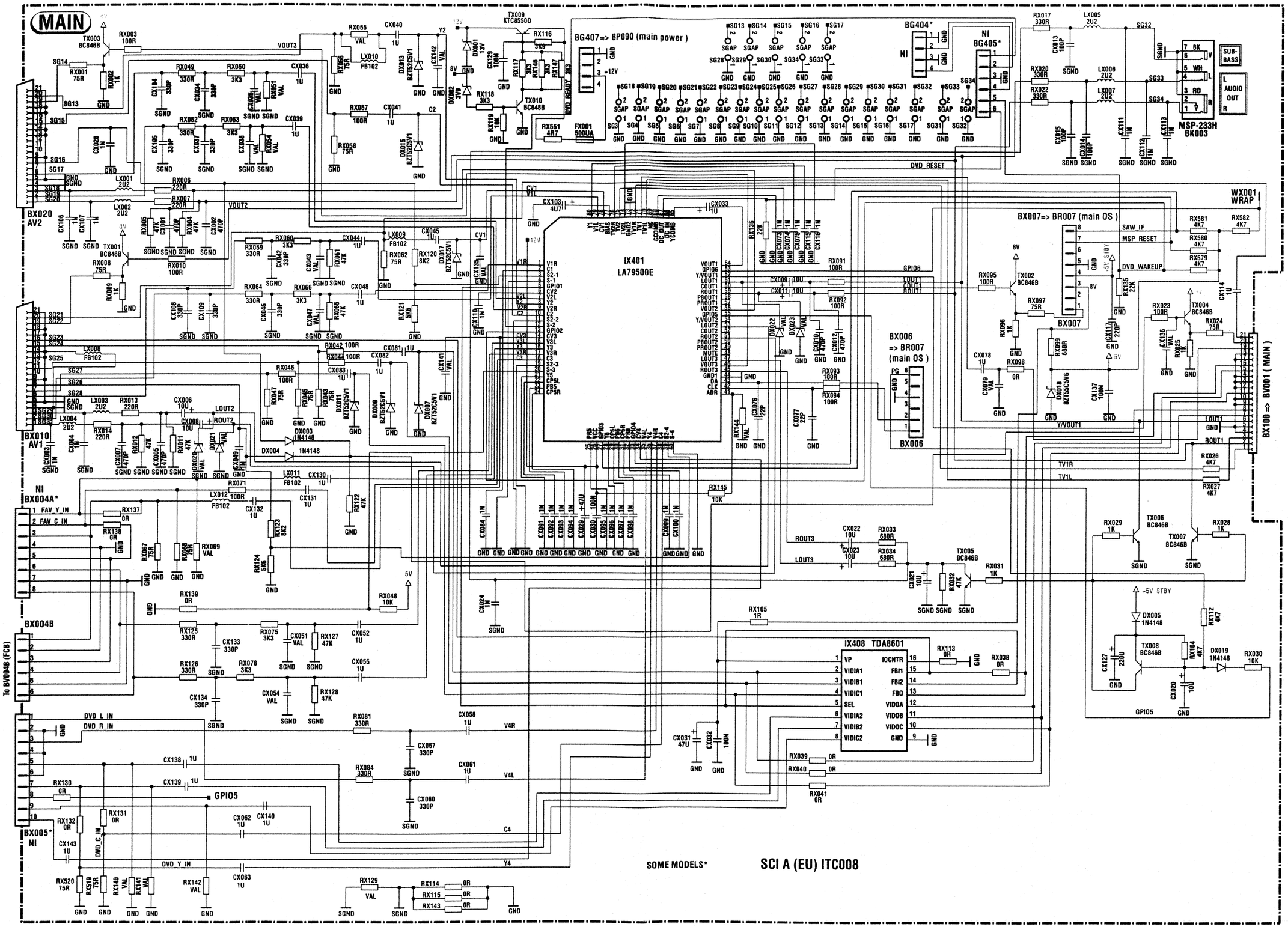
VHF / UHF TUNER CTF 5550 - CTF 5560



SCART INTERFACE - INTERFACE PERITELEVISION - SCART INTERFACE - PRESA PERITEL- EUROCONECTOR



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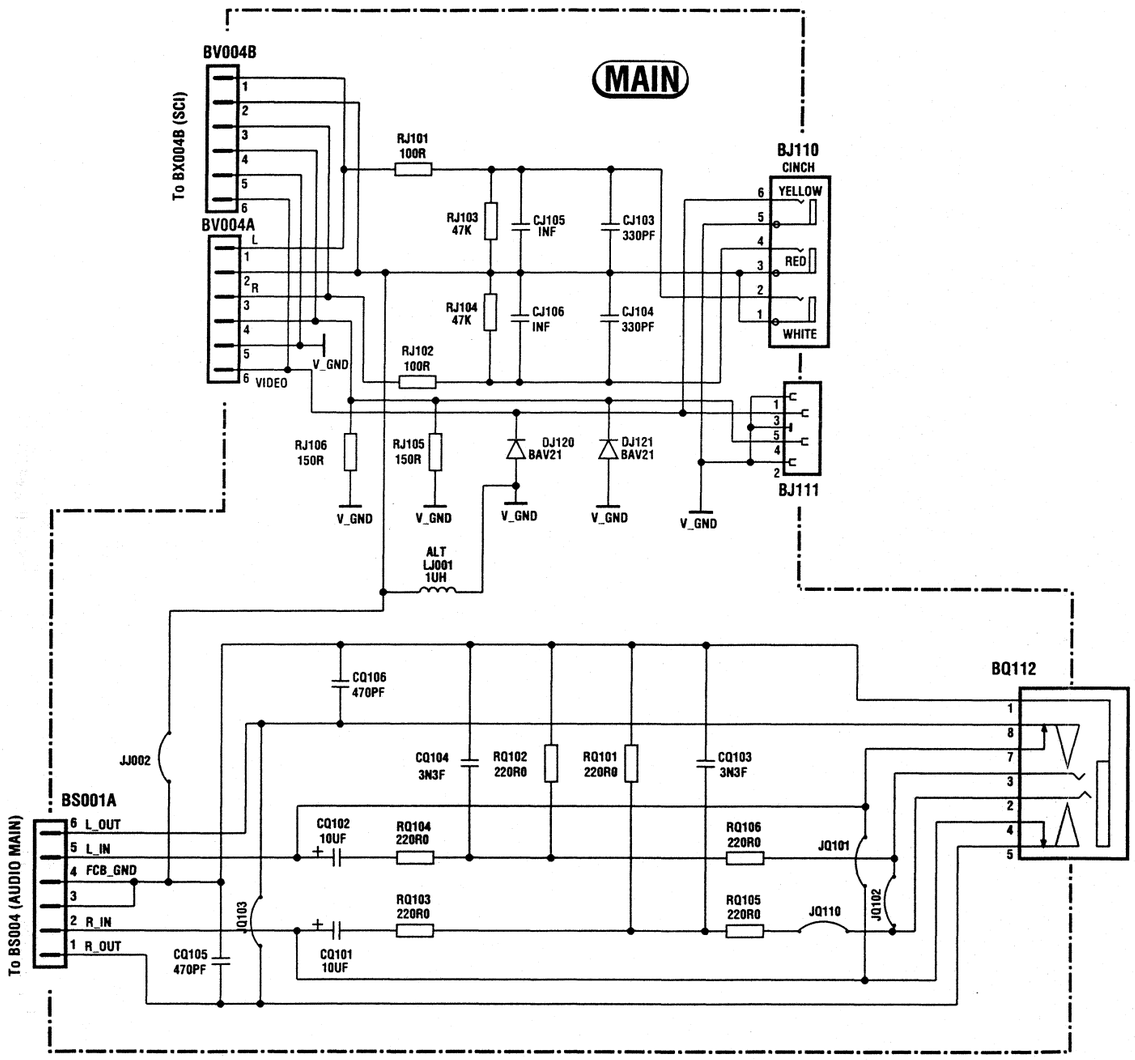
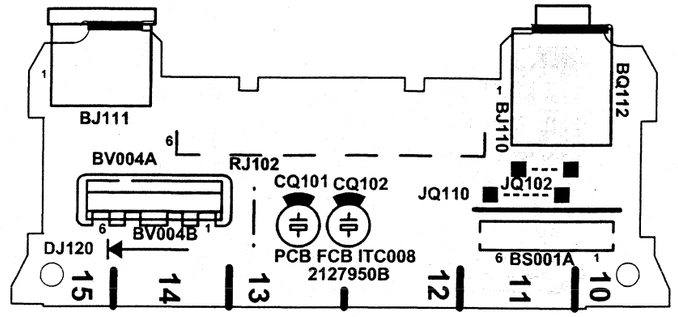
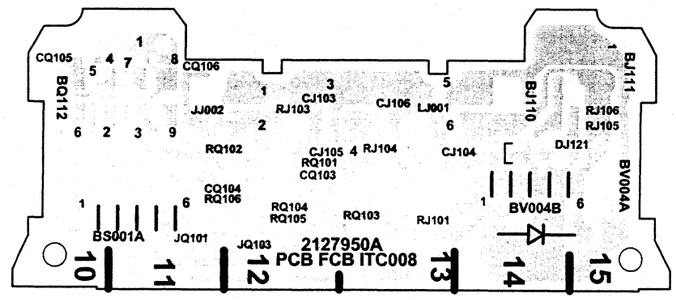
FRONT CONNECTOR BOARD - PRISES EN FACADE ET INTERCONNEXION DU CLAVIER -FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL



COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



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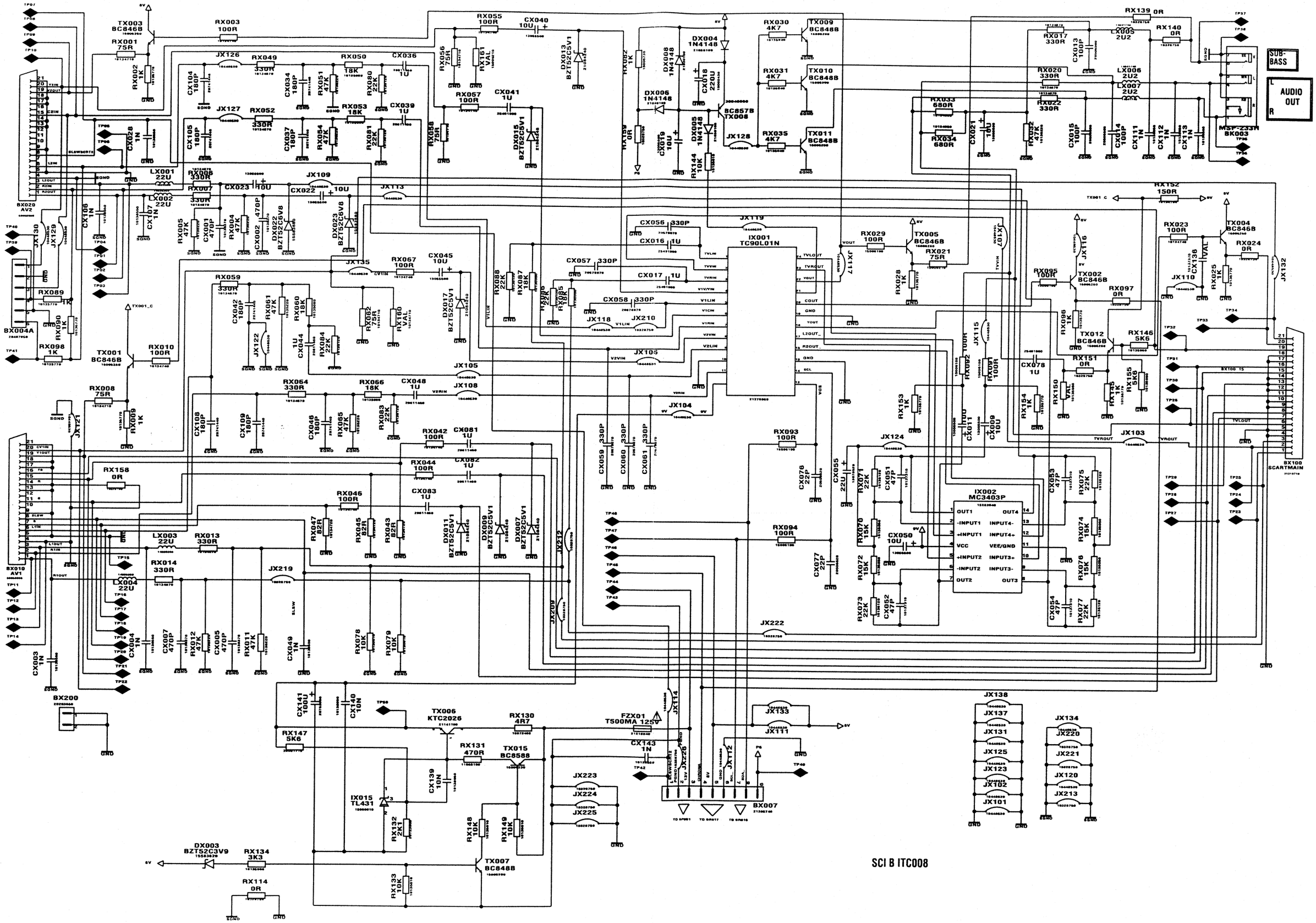
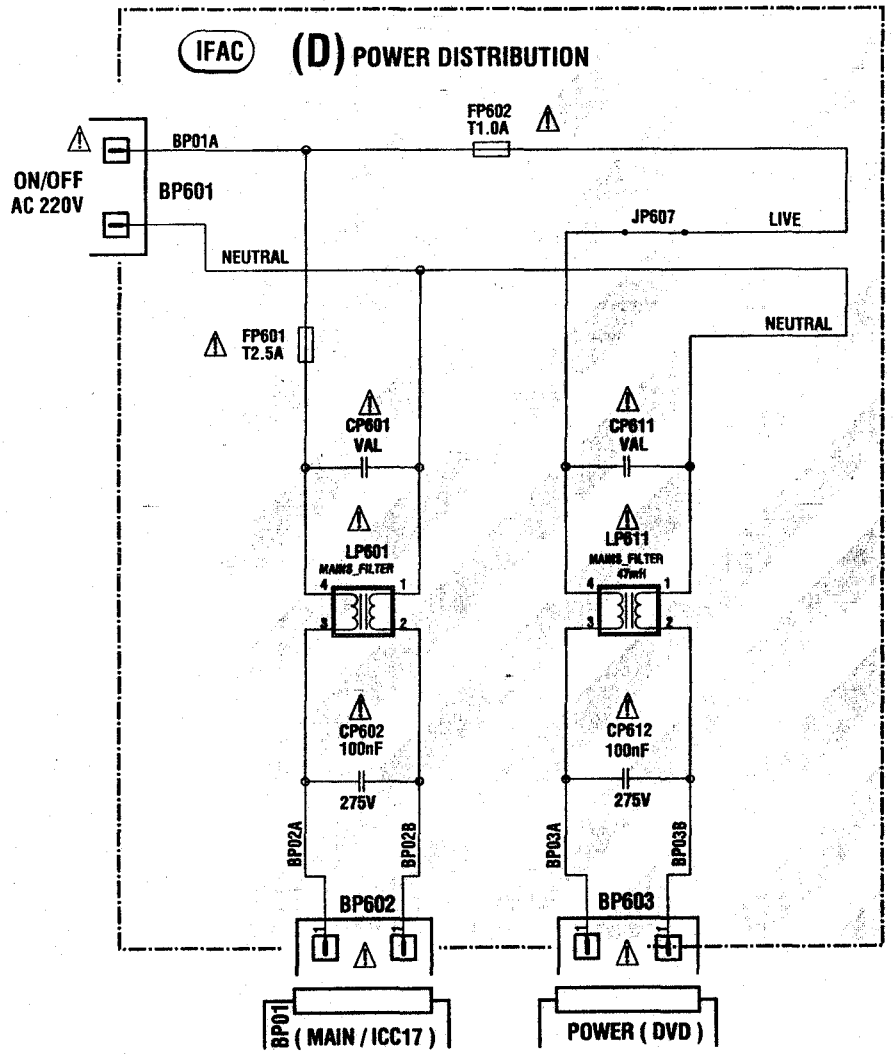
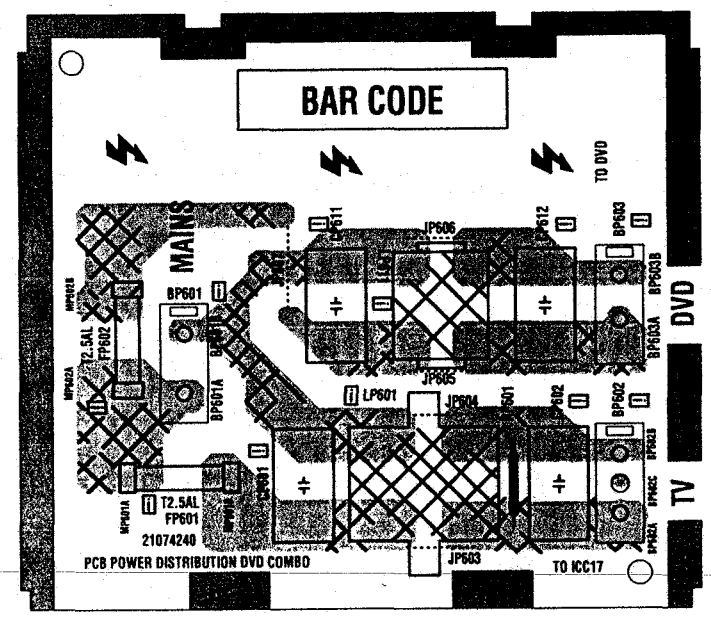

IX001
TC90L01N
IX002
MC3403P
IX015
TL431
TX001
BC846B
TX002
BC846B
TX003
BC846B
TX004
BC8468
TX005
BC846B
TX006
KTC2026
TX007
BC8488
TX009
BC8488
TX010
BC8488
TX011
BC8488
TX012
BC8468
TX015
BC8588
8C8657B
TX008
FZX01
T500MA 125V
BX007
BX010
AV2
BX019
AV1
BX020
AV2
BX100
SCARTMAIN
BX200
BX004A
SUB-
BASS
AUDIO
OUT
L
R
MSP-233M
BK063
SCI B ITC008

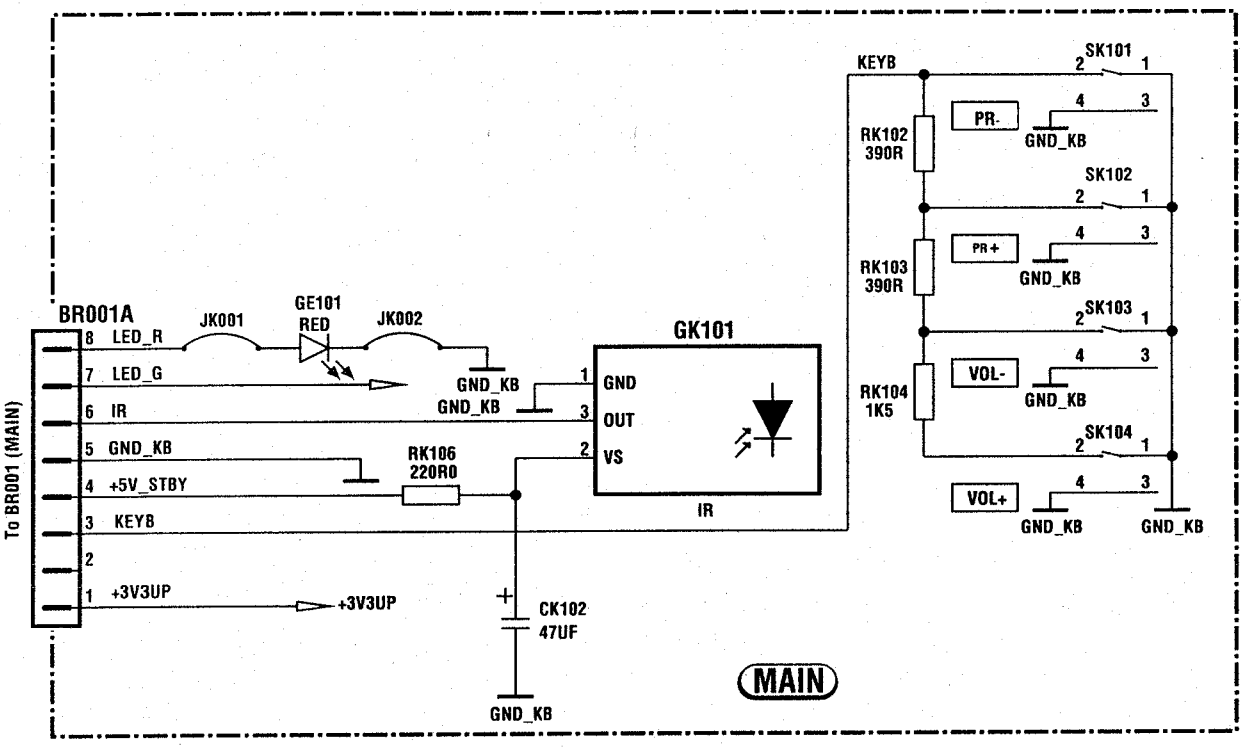
POWER DISTRIBUTION BOARD - INTERFACE SECTEUR - LEITERPLATTE SPANNUNGSVERTEILUNG - PIASTRA DISTRIBUZIONE ALIMENTAZIONI - PLACA DE DISTRIBUCION DE LA ALIMENTACION



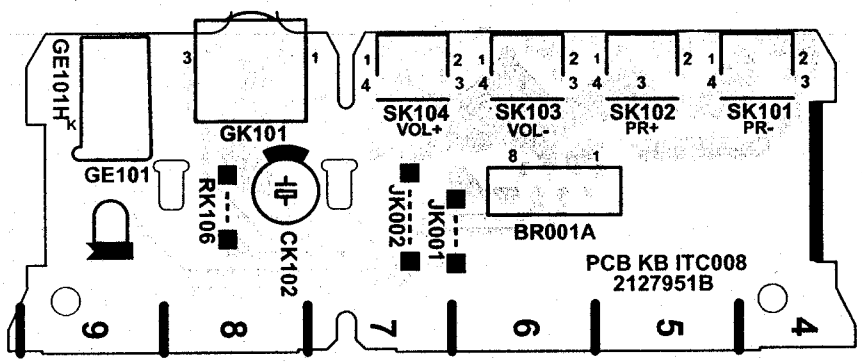
COMPONENT SIDE - COTE COMPOSANTS BESTÜCKUNGSSEITE - LATO COMPONENTI LADO COMPONENTES



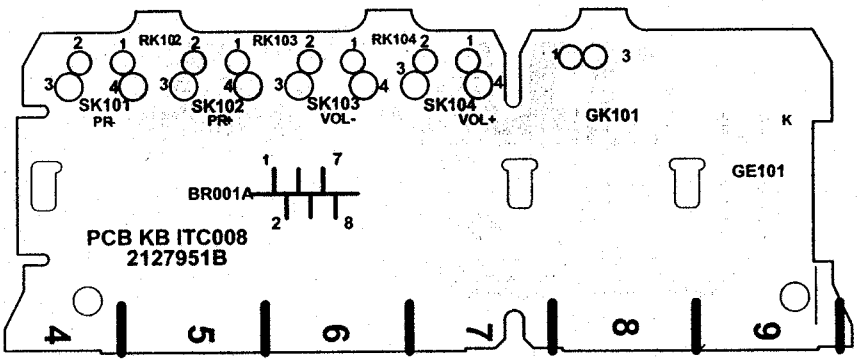
KEYBOARD - CIRCUITS DE COMMANDES - SCHALTBILD BEDIENTEIL - SCHEMA DEI CIRCUITI TASTIERA - ESQUEMA DE LOS CIRCUITOS MANDOS



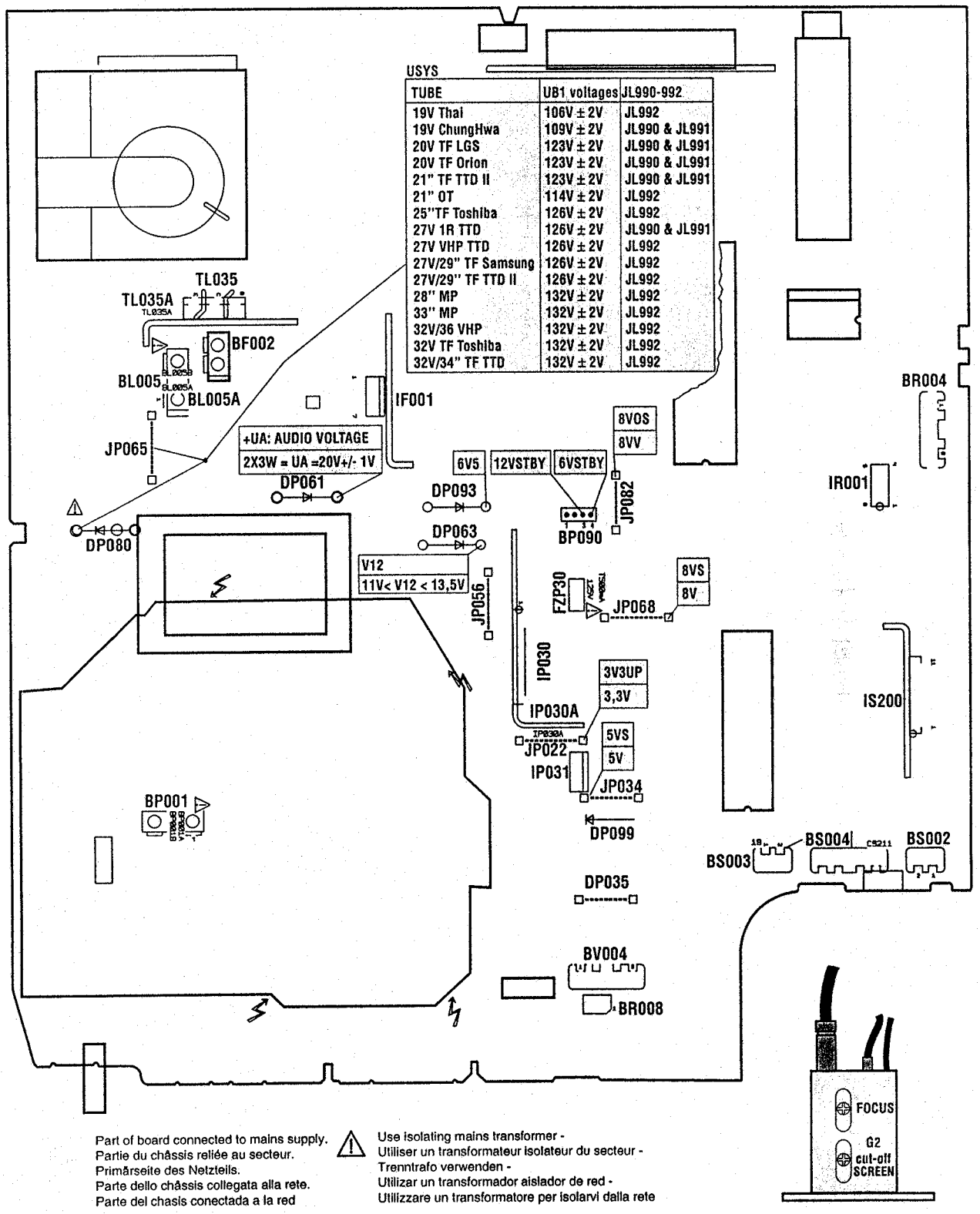
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



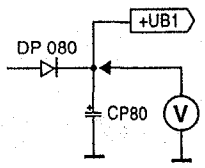
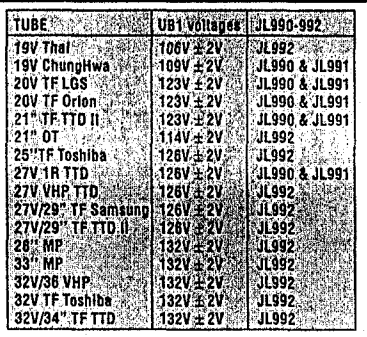
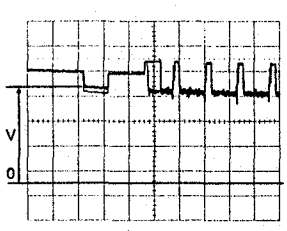
LOCATION OF CONTROLS - EMPLACEMENT DES REGLAGES - LAGEPLAN EINSTELLER - POSIZIONE REGULATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES



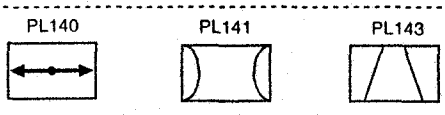
Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello châssis collegata alla rete.
Parte del chasis conectada a la red

⚠ Use isolating mains transformer -
Utiliser un transformateur isolateur du secteur -
Trenntrafo verwenden -
Utilizar un transformador aislador de red -
Utilizzare un transformatore per isolarvi dalla rete

ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

(MAIN) **SYSTEM VOLTAGE** **+UB1**	-	◑ + ☼ + ◑ = 50% TV to AV : Black test pattern AV		
FOCUS	LL05	◑ + ☼ + ◑ = 50% Test pattern (standard values)		Sharp picture
U G2 / CUTOFF **METHOD 1** Measurment	LL05 SCREEN Focus Block	◑ + ☼ + ◑ = 50% TV to AV : Black test pattern AV	highest output R, G, B pins CRT socket	 100:1 probe 2ms / div Y= 20V/div DC Tube / V Cut-off 21" OT 90° 125V +/- 3V 21" XF TTD 125V +/- 3V 21" XF Toshiba 125V +/- 3V 28" MP 125V +/- 3V 29" TF Samsung 125V +/- 3V 29" XF TTD II 125V +/- 3V 33" MP 125V +/- 3V 34" XF TTD 125V +/- 3V
U G2 / CUTOFF **METHOD 2** SERVICE MODE (According to software version).	SERVICE MODE	Alternative method : see Service Mode p. 9 Autre méthode : voir réglage dans le service mode p. 9 Siehe Service Mode S. 9 Metodo alternativo :vedi Service Mode p.9 Método alternativo : ver Modo Servicio pág. 9		

EAST-WEST MODULE - MODULE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MODULO ESTE-OESTE

GEOMETRY	TV : AV1 Test pattern Standard TV - Settings : ☼ + ◑ + ◑ = 50%		Correct picture
(EWM)	PL140 PL141 PL143 SERVICE MODE	(GB) - Please refer to geometry Mode alignment (110° tube) , page 10, to adjust the East West Module (EWM). (F) - Se référer à la méthode d'alignement des géometries (tubes 110°), page 10 pour effectuer les réglages du Module Est-Ouest (EWM). (D) - Abgleich des Ost-West-Modules: Siehe Geometrie-Abgleich (110°), Seite 10. (I) - Per le regolazioni del Modulo Est-Ovest fare riferimnto al modo allineamento geometria (tubi 110°), pagina 10. (E) - Para los ajustes del módulo Este-Oeste (EWM) ver la página 10, modo ajuste geometría (tubo 110º) 	

LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

● AUDIO MUTE	MUTE AUDIO AMPLIFIER
● BCL	BEAM CURRENT LIMITING INFORMATION
● B	BLUE SIGNAL TO VIDEO AMPLIFIER
● CVBS	COMPOSITE VIDEO BASE BAND SIGNAL
● DEGAUSS	DEGAUSS SIGNAL
● G	GREEN SIGNAL TO VIDEO AMPLIFIER
● HDRIVE	DRIVE SIGNAL FOR HORIZONTAL DEFLECTION
● HEATER	HEATER VOLTAGE
● I_CUT	CUT OFF CURRENT
● IR	DATA FROM INFRARED RECEIVER
● LFB	HORIZONTAL FLYBACK REFERENCE
● PO	POWER ON. SIGNAL FROM MICRO. TO POWER SUPPLY. SWITCHES THE POWER SUPPLY FROM STANDBY TO ON.
● R	RED SIGNAL TO VIDEO AMPLIFIER
● SCL	SERIAL CLOCK
● SDA	SERIAL DATA
● UA	POSITIVE AUDIO VOLTAGE
● UB1 / USYS	SYSTEM VOLTAGE
● U_SYS_MOD	SIGNAL TO MODULATE USYS
● UVIDEO	VIDEO VOLTAGE FOR THE CRT BOARD
● V _DRIVE	DRIVE SIGNAL FOR VERTICAL DEFLECTION
● +VSUPPLY	POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● -VSUPPLY	NEGATIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● V12	SUPPLY VOLTAGE FROM POWER SUPPLY. USED FOR THE DRIVER CIRCUIT START UP
● +3V3UP	POSITIVE SUPPLY FOR GESTION PART IV001
● +33V	TUNER VOLTAGE

INFORMATION - INFORMATIONS - INFORMATIONEN
INFORMAZIONE - INFORMACIONES

(EN) **OUT OF PRODUCTION MODE :**
To set TV into "**out of production mode**" (letter **P** at the screen):
- Press the **VOL -** button on the TV keyboard and the blue button on the remote control.
- Hold them down until the out of production mode (about 5s).

(FR) **SORTIE DE MODE PRODUCTION**
Pour sortir le téléviseur du "*mode production*" (lettre **P** à l'écran):
- Appuyer sur la touche **VOL-** du clavier du téléviseur et la touche "bleue" de la télécommande.
- Maintenir enfoncées les deux touches jusqu'à la sortie du mode production (environ 5s).

(DE) **VERLASSEN DES PRODUKTIONSMODES:**
Unter bestimmten Umständen kann der Microcontroller in den Produktionsmode gelangen (ein "**P**" ist auf dem Bildschirm eingeblendet). Zum Verlassen des Produktionsmodes drücken Sie die "**Lautstärke -**"-Taste am TV-Gerät und gleichzeitig die blaue Taste auf der Fernbedienung. Halten Sie die Tasten solange gedrückt, bis das "P" auf dem Bildschirm ausgeblendet wird (ca. 5 Sekunden).

(IT) **USCITA DA PRODUCTION MODE: :**
Per portare il TV " **fuori da PRODUCTION MODE**" (lettera **P** sullo schermo)
- Premere il tasto **-Volume** sulla tastiera del TV e contemporaneamente il tasto blu sul telecomando.
- Mantenete premuto entrambi i tasti fino a che il TV esce dal modo produzione (Circa 5 sec.).

(ES) **SALIDA DEL MODO PRODUCCIÓN:**
Para sacar un TV del "**Modo Producción**" (letra **P** en la pantalla):
- Pulsar la tecla **VOL -** del teclado del TV y la tecla azul del telemando.
- Mantenerlas pulsadas hasta que desaparezca la letra P de la pantalla (unos 5 seg.)